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UNI-TREND TECHNOLOGY (CHINA) CO., LTD.

No.6, Industrial North 1st Road, Songshan Lake Park, Dongguan City, Guangdong Province, China
Post Code: 523 808
Tel: (86-769) 8572 3888

UNI-TREND TECHNOLOGY (HONG KONG) LIMITED

Rm 901, 9/F, Nanyang Plaza, 57 Hung To Road, Kwun Tong,
Kowloon, Hong Kong

UNI-TREND TECHNOLOGY EU GMBH

Affinger Str. 12
86167 Augsburg
Germany

UNI-TREND TECHNOLOGY US INC.

STE 104
3171 MERCER AVE
BELLINGHAM WA 98225-8474

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UNI-T

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UNI-T

METERS 2025





37 Years | **289** R&D employees | **476** Patents | **100,000m²** Manufacturing Base

ABOUT US

Uni-Trend Technology (China) Co., td. is one of the well-known test and measurement solutions provider in Asia. Uni-Trend is an ISO9001 and ISO14001 certificated company, with T&M products meeting certifications including CE, ETL, UL, GS, etc.

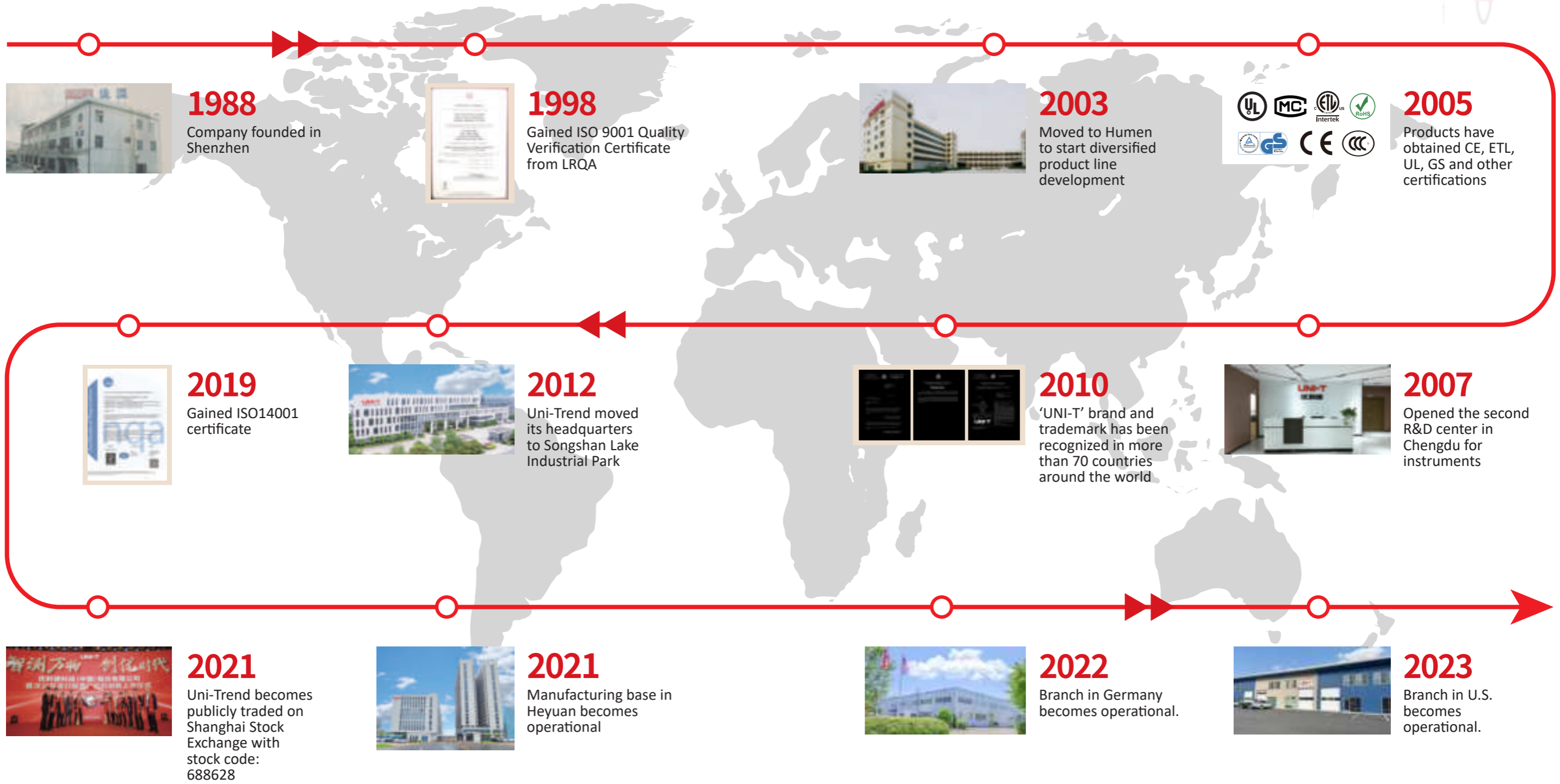
With R&D centers in Chengdu and Dongguan, Uni-Trend is capable of manufacturing innovative, reliable, safe to use, and user friendly T&M products. Uni-Trend has established collaborations with partners in over 80 countries for product distribution and services, With products meeting industry standards, Uni-Trend is able to fully satisfy product demands from around the world.

From 2022 to 2024, Uni-Trend established subsidiaries in Munich, Germany, Washington DC, United states respectively. It is committed to building an efficient customer service system and regional coverage, providing users with highly timely technical support and comprehensive product solutions. It provides an effective channel for the development of overseas business and accelerates the promotion of the company's international strategic business goals.

By constantly improving product technology and quality standards, Uni-Trend is able to stay competitive in the ever-changing global market. At Uni-Trend, our solid foundation allows us to maintain and strengthen our corporate culture bringing high-quality, secure, and cost-effective products to global users, We are always seeking new paths and cooperation opportunities with partners around the world. Uni-Trend seeks to become a global Test & Measurement Products and Solutions Provider.



DEVELOPMENT HISTORY



New Products

UT197

Industrial Digital Multimeter

Page 002

- True RMS with 600000 count
- 12KV pulse impulse protection
- 5m drop & IP67 protection
- Extreme environment: -40°C ~ 55°C
- Input terminal visible alarm
- Bluetooth app & auto backlight



UT281E+

10000A AC Flex Clamp

Page 085

- Long flex clamp: 1100mm (φ: 8mm)
- True RMS & 6000 display count
- Wide current range: 500mA to 10000A (AC)
- Power test: 3600KW/KVA/KVAR (UT281F)
- Bluetooth app
- CAT IV 600V & CE certificated



UT-CS07

1000A AC/DC Clamp Sensor

Page 027

- Large current test: AC/DC 1000A
- Compact and slim body
- Ultral sharp clamp for solar system
- Frequency response: AC 45Hz to 1000 Hz
- CAT III 1500V & CAT IV 600V



UT197PV

Digital Multimeter

Page 044

- True RMS with 6000 display count
- Voltage test: DC 2500V+AC 1500V
- Power measurement
- Working temp.: -40°C to 55°C
- IP67 & 5m drop protection
- CAT III 1500V & CAT IV 1000V



UT541

15KW Photovoltaic I-V Curve Analyzer

Page 045

- I-V curve test: 15kW (with STC converting)
- Solar irradiance: 0~1300W/m²
- Working temp.: -40°C to 120°C
- Voltage measurement: AC/DC 1500V
- Current measurement: AC/DC 100A
- CAT III 1500V & CE/ETL



UT572A

Earth Resistance Tester

Page 051

- 2/3/4-wire method for Grounding resistance measurement;
- Soil resistivity & Grounding voltage measurement
- Strong anti interference
- Build in printer
- IP64 (with cap closed)
- 2600mAh lithium battery



UT586+

Digital RCD(ELCB) Tester

Page 052

- Suited for single/three phase electrical system
- Triggler time & trigger current measurement
- Auto RAMP & Manual RAMP
- Line voltage & phase voltage measurement
- IP54 & CAT III 600V protection



UT623A

Hand-held 100A Loop Resistance Tester

Page 053

- Hand held design for on-site test
- Wide test range: 0.1μΩ~1000.0mΩ
- Stepping output current of each 10A
- Data trasmission: USB & BT
- Open circuit & overheat protection
- 5" color LCD



New Products

UT625A/B

100A Loop Resistance Tester

Page 054

- Desktop level with high accuracy
- Wide test range: UT625A: $0.1\mu\Omega\sim 1000.0m\Omega$
UT625B: $0.1\mu\Omega\sim 2000.0m\Omega$
- Stepping output current of each 10A
- Data transmission: USB & BT
- Open circuit & overheat protection
- Powered by 220V AC



UT731

Milliamp Process Clamp Meter

Page 055

- Tiny clamp design for process signal
- High resolution and accuracy:
 $0.001mA$ & 0.2%
- Reserved IoT communication serial port
- Backlight for clear display (different view angle)
- BT communication



UT362H

Hot wire anemometer

Page 117

- Wind speed, temperature, volume measurement.
- Split type design
- Using platinum resistance sensor
- 99 groups of data storage.
- MAX/MIN/Timing mean/Multipoint mean
- Flexible rod in aluminum alloy
- Selectable pipe forms



A56 BT

Bluetooth Temperature Humidity Datalogger

Page 115

- Temperature measurement range: $-40^{\circ}C\sim 85^{\circ}C$
- Humidity measurement range: $0\%\sim 100\% RH$
- Internal high-accuracy digital sensor
- 64000 groups of data storage
- Audible and visible alarm
- Bluetooth App and PC software
- Magnetic and wall-mounted design
- IP54 protection
- Long working time up to 2 years



A57 BT

Bluetooth Temperature Humidity Datalogger

Page 116

- Temperature measurement range: $-40^{\circ}C\sim 85^{\circ}C$
- Humidity measurement range: $0\%\sim 100\% RH$
- Supports external sensor
- 64000 groups of data storage
- Audible and visible alarm
- Bluetooth App and PC software
- Magnetic and wall-mounted design
- IP54 protection
- Long working time up to 2 years



UT337B

Particle Counter

Page 118

- Number of particle diameter channels: 6
- Temperature/Humidity//Dew point/Wet bulb temperature measurement
- Temperature and humidity measurement
- APP connection via WiFi and PC software connection
- Camera function
- Rechargeable lithium battery



UT336P

Wireless Digital Pressure Gauge

Page 160

- High/Low pressure measurement range: $-1\sim +60bar$
- Display multiple refrigeration parameters
- LED alarms
- High/low pressure recognition
- 8000 sets of data storage
- Bluetooth APP connection
- Compatible with temperature clamp
- IP54 protection



UT336V

Wireless Digital Vacuum Gauge

Page 161

- Vacuum measurement range: $0\sim 19,000microns$
- Ambient temperature measurement: $-10.0\sim 50.0^{\circ}C$
- Audible and visual alarms
- 8000 sets of data storage
- Bluetooth APP connection
- Intelligent H2O State Judgement
- IP54 protection



New Products

UT336B

Refrigerant Leak Detector

Page 159

- Semiconductor sensor
- Maximum sensitivity: 3g/a
- 6 levels for adjustable sensitivity
- Audible and visual alarm
- Power-on auto-reset
- Come with probe light
- Detectable refrigerants: CFCs, HCFCs, HFCs



UT336E

Digital Manifold Gauge

Page 158

- 3.5" HD Color Screen
- Support Multiple Measurement Modes: Pressure, Temperature, Evacuation, Pressure Holding, Refrigeration, Heat Pump.
- 60000 Data Storage
- Mobile Bluetooth APP Connection
- Audible and Visual Alarm Function
- Support to connect with Wireless Temperature Clamp UT320i



UT663B

360° Rotatable Industrial Borescope

Page 163

- Optional Hose Length: 1m, 2m, 3m
- 180° Bi-directional Rotation of Hose Cameras
- 8 LEDs, 4-Setting Brightness Adjustment
- Support Photo Capturing and Video Recording
- 8 LEDs, 4-Setting Brightness Adjustment



UT665P

Handheld Single Len Industrial Borescope

Page 164

- 4.3" HD Screen
- Optional Hose Length: 1m, 5m, 10m
- 8 LEDs, 4-Setting Brightness Adjustment
- 300K HD Camera, IP67 Rating



UT667

Large Screen Industrial Borescope

Page 164

- 4.3" HD Screen
- Optional Hose Length: 1m, 5m, 10m
- 8 LEDs, 4-Setting Brightness Adjustment
- 300K HD Camera, IP67 Rating



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Accessories ●

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Digital Multimeters

Digital multimeter is a must-have tool for professional electrical engineers, electrical technicians and electronics engineers. Multimeters are tools used to detect and troubleshoot electrical and electronic devices. UNI-T's wide range of multimeter selection guarantees that you can find the most suitable multimeter that satisfies your needs.



UT197

Industrial Digital Multimeter



This versatile testing instrument is designed for demanding environments with CAT IV 1000V (12kV Pulse Impulse Protection) for high-voltage safety. Featuring 5m drop protection, IP67 rating, and a 600,000-count display for precise readings in extreme temperatures (-40°C to 55°C), Ideal for rugged outdoor conditions like wet, sandy, and cold settings.

Features:

- True RMS with 600000 count
- 12KV pulse impulse protection
- 5m drop & IP67 protection
- Extreme environment: -40°C~55°C
- Input terminal visible alarm
- Bluetooth app & auto backlight

Specifications	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Voltage (DC)	0.1mV to 1000V $\pm(0.02\%+5)$
Voltage (AC)	0.1mV to 1000V $\pm(0.3\%+20)$
Current (DC)	0.1 μ A to 10A $\pm(0.15\%+20)$
Current (AC)	0.1 μ A to 10A $\pm(0.5\%+50)$
External clamp ACA	30.00A/300.0A/3000A $\pm(3.0\%+5)$
Resistance	0.1 Ω to 60M Ω $\pm(0.07\%+2)$
Capacitance	0.01nF to 60.00mF $\pm(0.8\%+3)$
Frequency	10Hz~1MHz $\pm(0.002\%+5)$
Frequency response	45Hz-100kHz
Duty cycle	99.9% $\pm(0.8\%+30)$
Temperature (without probe)	-40.0°C to 1090°C $\pm(1.0\%+15)$
	-40.0°F to 1994.0°F $\pm(1.0\%+30)$
Conductance	60.00nS $\pm(1.0\%+10)$
Diode	6.0000V $\pm(1\%+5)$
Display count	1. 6,000/60,000/600,000 (switchable); 2. 99,999 (frequency)
Duty cycle	v
Auto Loz	v
%4-20mA	v
Peak value (MAX/MIN)	250 μ S
High voltage alarm	v
High voltage OL alarm	v
Analog bar	33 segment, 30 times/s
Refresh rate	4 times/s
VFD	v
Auto backlight	v
EMC ant-ti interference	v
Battery reverse protection	v
Working environment	-40°C to 55°C
Pulse impulse protection	12kV
IP rating	IP67
Drop proof	5m
Overvoltage category	CAT IV 1000V



Characteristics

Power supply	Alkaline battery AA x 3pcs; 800 hours working time
Product color	Black + Red
Product dimension	220 x 103.5 x 64.5 (hand holding: 94.5 x 48mm)

*Product is preliminary and subject to change pending final release information.





UT15B/17B/18B MAX

True RMS Digital Multimeters

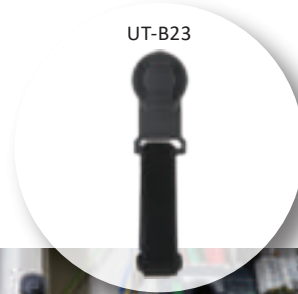
meters.uni-trend.com

DIGITAL MULTIMETERS

UT15B/17B/18B MAX series True RMS multi-meters have a compact and portable design, fast response, strong anti-interference, and come with standard gold-plated test leads and gold-plated fine-tipped test leads. They are the ideal tools for electronic and electrical engineers.

Features:

- Compact & ergonomic design
- Two Bussman fuses for input protection
- Mis-plug alarm for Ampere test
- Bias signal measurement
- Gold-plated and fine-tipped probes



UT18B MAX

All the models in this page share the same mold.

Models	UT15B MAX	UT17B MAX	UT18B MAX	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
Voltage (DC)	600.0mV/6.000V/60.00V/600.0V/1000V	±(0.4%+3)	±(0.4%+3)	±(0.4%+3)
Voltage (AC)	600.0mV/6.000V/60.00V/600.0V/1000V	±(0.5%+5)	±(0.5%+5)	±(0.5%+5)
VFD (Voltage)	600.0V	±(8%)	±(8%)	±(8%)
Current (AC)	600.0µA/6000µA /60.00mA/600.0mA/6.000A/10.00A	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
Current (DC)	600.0µA/6000µA /60.00mA/600.0mA/6.000A/10.00A	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
Resistance	600.0Ω/6.000kΩ/60.00kΩ /600.0kΩ/6.000MΩ/60.00MΩ	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
Capacitance	6.000nF/60.00nF~600.0µF/6000µF	±(2.0%+5)	±(2.0%+5)	±(2.0%+5)
Frequency (Hz)	10Hz~10MHz	±(0.1%+3)	±(0.1%+3)	±(0.1%+3)
Duty cycle	1%~99.9%	±(1.0%+4)	±(1.0%+4)	±(1.0%+4)
Temperature (°C/°F)	-55°C~500°C/-67°F~932°F		±2°C/±4°F	±2°C/±4°F
Display count		6000	6000	6000
Overvoltage category		CAT III 600V	CAT III 600V	CAT III 600V

Characteristics	
Power supply	2 x 1.5V AA
Product color	426U+1797C
Product weight	455g
Product dimension	182 x 91 x 45mm
Accessories	1pcs User manual, 2 pair Test lead (normal gold plated probe & Fine-tipped probe), 1pcs K-type thermocouple (UT17B/UT18B MAX only), 2pcs battery, Magnetic hanger (optional)
SPQ	10 pcs
Package dimension	480 x 370 x 195mm
Standard package gross weight	Around 9kg



UT33+/UT131 SERIES

Palm Size Digital Multimeters

(UT131 series only)



The UT33+/UT131 series multimeters set a new standard for entry-level performance, featuring a durable design that can withstand 2-meter drops and a clear LCD display for enhanced user experience. With safety certifications for CAT II 600V environments and CE compliance for the UT131 series, these devices offer a reliable and user-friendly solution for various electrical measurement needs.

Features:

- 2m drop protection
- Clear LCD display
- Comfortable protective shell
- Diode/continuity buzzer
- Ergonomic design for entry level
- APO & auto backlight off



UT33A+

All the models in this page share the same mold.

Specifications	Range	UT33A+/131A	UT33B+/131B	UT33C+/131C	UT33D+/131D
DC voltage (V)	200mV/2V/20V/200V/600V (250V: UT131 series only)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	200mV/2V/20V/200V/600V (250V: UT131 series only)	±(0.7%+3)	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC current (A)	10A 200µA/200mA/10A 2000µA/20mA/200mA/10A	±(1%+2)	±(1%+2)	±(1%+2)	±(1%+2)
AC current (A)	10A	±(1.2%+3)			
Resistance (Ω)	200MΩ 200Ω/2kΩ/20kΩ/200kΩ/20MΩ/200MΩ 200Ω/2kΩ/20kΩ/200kΩ/20MΩ	±(0.8%+2)			±(0.8%+2)
Capacitance (F)	2mF	±(4%+8)			
Temperature	-40°C~1000°C -40°F~1832°F			±(1%+4) ±(1.5%+5)	
Display count		2000	2000	2000	2000
Range selection		Auto	Manual	Manual	Manual
Battery test			1.5V/9V/12V		
NCV					√
Overvoltage category	UT131 series: CAT II 250V; UT33+ series: CAT II 600V				

Characteristics

Standard accessories	Batteries, test leads, k-type thermocouple (UT33C+/131C), English manual
Power	1.5V battery (R03) x 2
Display	UT33+ series: 53 x 28mm, UT131 series: 66 x 51mm
Product size	134 x 77 x 47mm
Product net weight	206g (batteries included)
Standard individual packing	Gift box
Standard quantity per carton	60pcs
Standard carton measurement	640 x 310 x 350mm
Standard carton gross weight	UT33A+/131A: 18.6kg; UT33B+/131B: 19.4kg; UT33C+/131C: 20.2kg; UT33D+/131D: 19.8kg



UT39+ SERIES

Digital Multimeters



UT39E+

UT39+ series digital multimeters are portable devices designed for the electrical industry. They feature overvoltage and overcurrent alarm and high voltage protection, triggered during faulty operation. They are suitable for electronics design work.

Features:

- Transistor hFE measurement
- 2m drop protection
- Comfortable protective shell
- Diode/continuity buzzer
- Ergonomic design for entry level
- APO & auto backlight off



All the models in this page share the same mold.

Specifications	Range	UT39A+	UT39C+	UT39E+
DC voltage (V)	400mV/4V/40V/400V/1000V 200mV/2V/20V/200V/1000V	±(0.5%+5)	±(0.5%+5)	±(0.05%+3)
AC voltage (V)	4V/40V/400V/750V 200mV/2V/20V/200V/1000V	±(0.8%+3)	±(0.8%+3)	±(0.5%+10)
DC current (A)	40μA/400μA/4mA/40mA/400mA/10A 400μA/400mA/10A 2000uA/20mA/200mA/2A/20A	±(0.8%+3)	±(0.8%+3)	±(0.5%+5)
AC current (A)	40mA/400mA/10A 4mA/400mA/10A 2000uA/20mA/200mA/2A/20A	±(1%+2)	±(1%+2)	±(0.8%+10)
Resistance (Ω)	400Ω/4000Ω/40kΩ/400kΩ/4MΩ/200MΩ 400Ω/4000Ω/40kΩ/400kΩ/4MΩ/40MΩ 200Ω/2kΩ/20kΩ/2MΩ/20MΩ/200MΩ	±(0.8%+2)	±(0.8%+2)	±(0.3%+2)
Capacitance (F)	10mF 2000μF	±(4%+5)	±(4%+5)	±(4%+20)
Frequency (Hz)	10Hz~1MHz 10Hz~2MHz		±(0.1%+4)	±(0.1%+3)
Temperature	-40°C~1000°C -40°F~1832°F		±(1%+4) ±(1.5%+5)	±(1%+5) ±(1.5%+5)
Conductance (nS)	0.1~100nS			±(1%+3)
Display count		4000	4000	20000
NCV			v	v
Overvoltage category	CAT II 1000V, CAT III 600V			

Characteristics

Standard accessories	Test leads, temperature probe (UT39C+/E+), English manual
Power	1.5V battery (R03) x 2
Display	56.5 x 36mm
Product size	175 x 83 x 53mm
Product net weight	330g
Standard individual packing	Gift box
Standard quantity per carton	30pcs
Standard carton measurement	390 x 355 x 340mm
Standard carton gross weight	14.5kg



UT60 SERIES

Digital Multimeters

The UT60EU and UT60BT are compact multimeters designed for portability and ease of use. These pocket-sized devices pack a range of essential measurement function. They are the ideal tools for electronic technicians, hardware developers, and DIY enthusiasts seeking precision and convenience in a portable package.

Features:

- 9999 display count & True RMS
- Compact and Ergonomic design
- Auto range & NCV detection
- Continuity & Diode test
- Visible indication
- APO & Low battery indication



UT60S



UT60BT
(UT60EU/UT60BT share the same mold)

Specification	Range	UT60EU	UT60BT	UT60S
DC Voltage	9.999mV/99.99mV/999.9mV/ 9.999V/99.99V/999.9V	±(0.5%+3)		
AC Voltage	9.999mV/99.99mV/999.9mV/ 9.999V/99.99V/999.9V	±(0.8%+3)		
DC Current	999.9uA/999.9mA/9.999A/10A	±(0.8%+3)		
AC Current	999.9uA/999.9mA/9.999A/10A	±(1.0%+3)		
Resistance	999.9Ω/9.999kΩ/99.99kΩ /999.9kΩ/9.999MΩ/99.99MΩ	±(0.8%+2)		
Capacitor	9.999nF/99.99nF/999.9nF /9.999μF/99.99μF/999.9μF /9.999mF/9.99mF (UT60EU/UT60BT) /99.9mF(UT60S)	±(4.0%+5)		
Frequency	99.99Hz~9.999MHz	±(0.1%+5)		
Duty cycle (%)	0.1~99.9%	±(3%+5)		
Temperature (°C/°F)	-40°C~1000°C/-40°F~1832°F	±4°C/±5°F		
Bluetooth	UT60BT only			
Display count	9999			
Auto range	√			
REL	√			
NCV	√			
Diode	√			
Continuity test	√			
Visible indication	NCV/continuity/battery power			
Low battery indication	≤3.6V			
Data hold	√			
Auto power off	15Min			
Operating temperature	0°C~40°C			
Safety	CATII 1000V/CATIII 600V			

Characteristics

Battery	1.5V AAA x 3
Product color	Red and gray
Product net weight	290g
Product size	169 x 81 x 46mm
Standard accessories	Gift box, manual, thermocouple, test lead, batteries
Standard quantity per carton	20pcs
Standard carton size	420 x 320 x 300mm



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UT61+/UT161 SERIES

1000V True RMS Digital Multimeters

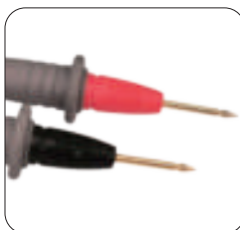
meters.uni-trend.com

DIGITAL MULTIMETERS

The UT61+/UT161 series are true RMS digital multimeters with display counts of 6000 (UT61B+/UT61D+/UT161B/D) and 22,000 (UT61E+/UT161E). They measure up to 1000V AC/DC and feature alarms for high voltage/current, suitable for diverse applications.

Features:

- True RMS measurement
- Audible/visible alarm for NCV
- LoZ ACV(UT61D+/UT161D only)
- Transistor hFE (UT61E+/UT161E)
- USB communication
- Gold plated test leads



Gold plated test leads

All the models in this page share the same mold.

Specifications	Range	UT61B+/UT161B	UT61D+/UT161D	UT61E+/UT161E
AC voltage (V)	1000V	±(1%+3)	±(1%+3)	±(0.8%+10)
DC voltage (V)	1000V	±(0.5%+3)	±(0.5%+3)	±(0.05%+5)
AC current (A)	10A 20A	±(1.2%+5)	±(1.2%+5)	±(0.8%+10)
DC current (A)	10A 20A	±(1%+2)	±(1%+2)	±(0.5%+10)
Resistance (Ω)	60MΩ 220MΩ	±(1%+2)	±(1%+2)	±(0.5%+10)
Capacitance (F)	60mF 220mF	±(3%+5)	±(3%+5)	±(3%+5)
Frequency (Hz)	10MHz 220MHz	±(0.1%+4)	±(0.1%+4)	±(0.01%+5)
Duty cycle (%)	0.1%~99.9%	±(2%+5)	±(2%+5)	±(2%+5)
Temperature (°C/°F)	-40°C~1000°C -40°F~1832°F		±(1%+3) ±(1%+6)	
Display count		6000	6000	22000
Bandwidth (Hz)		40Hz~500Hz	40Hz~1kHz	40~10kHz
LPF ACV				√
LoZ ACV			√	
ACV+DCV				√
Transistor hFE				√
Peak hold			√	√
Analog bar		31	31	46
Overvoltage category		CAT III 1000V, CAT IV 600V		



UT61E+



Download from Apple Store or Google Play!

By using the UNI-T Smart Measure App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.



Characteristics	
Standard accessories	Battery, gold plated test leads, USB cable, temperature probe (D+/D), multi-purpose socket (E+/E), English manual
Optional accessories	Bluetooth/APP
Power	1.5V battery (R03) x 4
Product size	190 x 90 x 50mm
Product net weight	350g
Standard individual packing	Gift box, cloth bag
Standard quantity per carton	20pcs
Standard carton measurement	UT61+ series: 480 x 370 x 365mm; UT161 series: 480 x 370 x 325mm
Standard carton gross weight	UT61+ series: 15.2kg; UT161 series: 17.8kg



UT105+ / UT107+

Automotive Multimeters

The UT105+ and UT107+ Automotive Multimeters are upgraded with enhanced functions, accuracy, and a redesigned shell for testing conventional. They offer RPM, dwell angle, pulse width, and battery test capabilities. With a wide measurement range of 1000V AC/DC voltage and 10A AC/DC current (20A for 10s), they are suitable for vehicle and electrical maintenance, including variable-frequency motor drives and HVAC systems.

Features:

- Multifunctions for auto
- Comfortable protective shell
- Alarm for high voltage/current
- Continuity/Diode/Transistor test
- Manual range measurement

Specifications	Range	UT105+	UT107+
DC voltage (V)	1000V	$\pm(0.5\%+3)$	$\pm(0.5\%+3)$
AC voltage (V)	1000V	$\pm(0.8\%+3)$	$\pm(0.8\%+3)$
AC current (A)	10A (20A for 10s max)	$\pm(1.0\%+8)$	$\pm(1.0\%+8)$
DC current (A)	10A (20A for 10s max)	$\pm(0.8\%+8)$	$\pm(0.8\%+8)$
Resistance (Ω)	40M Ω 60M Ω	$\pm(0.8\%+3)$	$\pm(0.8\%+3)$
Capacitance (F)	100mF		$\pm(3\%+10)$
Frequency (Hz)	10Hz~10MHz	$\pm(0.1\%+5)$	$\pm(0.1\%+5)$
Temperature ($^{\circ}\text{C}$)	-40 $^{\circ}\text{C}$ ~1000 $^{\circ}\text{C}$	± 3	$\pm(1.0\%+3)$
Temperature ($^{\circ}\text{F}$)	-40 $^{\circ}\text{F}$ ~1832 $^{\circ}\text{F}$	± 5	$\pm(1.5\%+5)$
VFC	1000V	$\pm(2.0\%+10)$	$\pm(2.0\%+10)$
RPM	2STR 4STR	$\pm(3.0\%+5)$ $\pm(3.0\%+3)$	$\pm(3.0\%+5)$ $\pm(3.0\%+3)$
Dwell angle	1CYL(0~356.4 $^{\circ}$) /2CYL (0~178.2 $^{\circ}$) /3CYL (0~118.8 $^{\circ}$)/4CYL (0~89.1 $^{\circ}$) /5CYL (0~71.3 $^{\circ}$)/6CYL (0~59.4 $^{\circ}$) /8CYL (0~44.5 $^{\circ}$)	$\pm(3.0\%+5)$	$\pm(3.0\%+5)$
Pulse width	999.9mS		$\pm(1.5\%+10)$
Display count		4000	6000
Low battery indication	<2.4V approximately		
Auto power off	Approximately 15 minutes		
Overvoltage category	CAT II 1000V, CAT III 600V		



UT105+



UT107+







UT89X SERIES

True RMS Digital Multimeters

meters.uni-trend.com

DIGITAL MULTIMETERS

Capacitor Measurement	
	Fully charged
	Charging in progress

LED Test (UT89XD only)	
	Normal LED, forward voltage within 11.1V DC
	LED not working

Features:

- True RMS measurement
- Display count: 6000/20000
- Fast test (3 times/s sampling)
- Audible/Visible alarm
- Ergonomic design
- Double injection tooling



UT89XD



UT89XE

(UT89X/UT89XE share the same mold)

Specifications	Range	UT89X	UT89XD	UT89XE
DC voltage (V)	600mV/6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	±(0.5%+2)	±(0.5%+2)	±(0.05%+5)
AC voltage (V)	6V/60V/600V/1000V 200mV/2V/20V/200V/1000V	±(0.8%+5)	±(0.8%+5)	±(0.8%+25)
DC current (A)	60μA/60mA/600mA/20A 60μA/6mA/60mA/600mA/20A 2000μA/200mA/20A	±(0.8%+8)	±(0.8%+8)	±(0.5%+4)
AC current (A)	60mA/600mA/20A 2000uA/200mA/20A	±(1%+12)	±(1%+12)	±(1.5%+15)
Resistance (Ω)	600Ω/6kΩ/60kΩ /600kΩ/6MΩ/60MΩ 200Ω/2kΩ/20kΩ/200kΩ /2MΩ/20MΩ/200MΩ	±(0.8%+3)	±(0.8%+3)	±(0.4%+5)
Capacitance (F)	100mF 200mF	±(2.5%+20)	±(2.5%+20)	±(4%+50)
Conductance (ns)	200nS			±(1.2%+50)
Frequency (Hz)	9.999Hz/9.999MHz 60MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+3)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)	
Temperature (°C)	-40°C~1000°C	±(2%+4)		±(1%+10)
Temperature (°F)	-40°F~1832°F	±(2%+8)		±(1.5%+10)
Live wire test		√		
LED test			12V	
Audible/visual alarm	V/A/Cap/Diode	Live/hFE/NCV	LED/hFE/NCV	√
Transistor hFE		√	√	
Dual range NCV test		√	√	
Flashlight		√	√	
MAX/MIN				√
Peak Hold				√
LPF measurement				√
Overvoltage category	CAT II 1000V, CAT III 600V			

Characteristics	
Standard accessories	Batteries, test lead, k-type temperature probe (UT89X/UT89XE), English manual
Power	1.5V battery (R03) x 4
Display	61 x 36mm
Product size	189 x 89 x 53mm
Product net weight	345g
Standard individual packing	Gift box
Standard quantity per carton	20pcs
Standard carton measurement	450 x 355 x 340mm
Standard carton gross weight	12.2kg



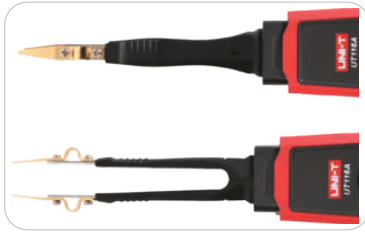
UT116 SERIES

SMD Testers



Features:

- Pen type meter
- 36V DCV measurement
- Zener diode polarity test
- Auto range
- Auto power off



The pen can be rotated by 180° for easy reading and operation



Probe attachment



LED measurement

Specifications	UT116A	UT116C
Certificates	CE, UKCA	
Display count	3000	6000
Resistance	30MΩ	60MΩ
Capacitance	30mF	100mF
Diode test	3V	3.2V
LED/stabilivolt	About 21V/1mA	About 21V/1mA
Continuity Test	<30Ω	<50Ω
DCV	36V	
Battery test		Load current≈10mA
Auto scan identification	√	

Characteristics

Standard accessories	Battery, English manual
Power	1.5V battery (R03) x 2
Display	39 x 20mm
Product size	204 x 33 x 25mm
Product net weight	About 80g
Standard individual packing	Gift box
Standard quantity per carton	60pcs
Standard carton measurement	440 x 420 x 210mm
Standard carton gross weight	About 7.1kg





UT117C

High-precision True RMS Digital Multimeter

meters.uni-trend.com

DIGITAL MULTIMETERS

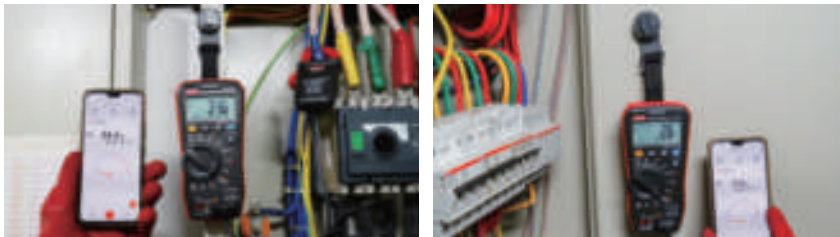
The UT117C, a high-precision true RMS multimeter designed for electronic electricians. Experience fast response, exceptional precision, compact size, and effortless operation. This reliable tool ensures accurate measurements even after a 2-meter drop, making it an ideal choice for professionals in the field.

Features:

- 60000 counts & True RMS display
- Fast measurement
- One-handed ergonomic design
- Durable after 2-meter drop
- "Bussmann" fuse for input protection
- BT 5.0 for data recording & reporting



UT117C



Model	UT117C	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
AC voltage	600.00mV/6.0000V/60.000V/600.00V	±(1%+30)
AC current	6.0000A/10.000A	±(1.5%+30)
DC voltage	600.00mV/6.0000V/60.000V/600.00V	±(0.3%+10)
DC current	6.0000A/10.000A	±(0.5%+10)
Auto-V Loz	600.0V	±(1%+3)
LPF voltage (ACV)	600.0V	±(2%+3)
Frequency	99.99Hz/999.9Hz/9.999KHz/50.00KHz	±(0.01%+3)
Resistance	600.00Ω~6.0000MΩ	±(0.5%+5)
	40.000MΩ	±(3%+5)
Capacitance	1000nF/10.00uF/100.0uF	±(1.9%+5)
	1000uF/10000uF	±(2.5%+5)
Display count	60000	
External current clamp	input ratio: 1mV/A	
Auto power off	Around 15 minutes	
LCD backlight	Auto power off after 5 minutes	
Drop test	2m	
Overvoltage category	CAT III 600V	

Characteristics	
Power supply	1.5V AAA x 3
Product color	Red + Grey
Product weight	Around 346g
Product dimension	169 x 84 x 48.8mm
Accessories	Test probe x 1 pair, Battery, Magnetic strap x 1 pcs, User manual x 1 pcs
Package quantity	20 pcs / package
Package size	420 x 345 x 315mm

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UT118C

Pen-type Meter



The UT118C Pen-type meter is a lightweight and durable device that boasts True RMS measurement capability, allowing for accurate readings. It is an excellent and cost-effective choice for residential appliance repair and DIY enthusiasts.

Features:

- True RMS measurement
- Fine-tipped test lead for R&D
- Multi-functions all-in-one
- Audible and visible indication
- Built-in test lead holder
- Portable design
- CAT III 600V & CAT IV 300V safety



Cap closed



CAT III 600V



CAT IV 300V

Specifications	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
DC voltage (V)	6.000V/60.00V/600.0V ±(1%+3)
AC voltage (V)	6.000V/60.00V/600.0V ±(1%+4)
Resistance	600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ ±(1%+3)
	6.000MΩ ±(1.5%+5)
Capacitance	60.00MΩ ±(2.5%+5)
	600.0nF/6.000uF/60.00uF/600.0uF ±(3.5%+8)
	6.000mF ±(5.0%+9)
Frequency	60.00mF ±(10.0%+9)
	99.99Hz/999.9Hz/9.999kHz /99.99kHz/999.9kHz ±(0.01%+5)
Display count	6000
Duty cycle	0.1% to 99.9%
NCV/LIVE test	✓
True RMS	✓
Diode	✓
Continuity	✓
Auto range	✓
Auto power off	✓
Flash light	✓



Characteristics	
Power supply	AAA x 1
Product dimension	182.5 x 38.0 x 38.5mm
Product color	Gray + Red
Accessories	User manual 1pcs, 1.5V AAA battery 1pcs



(UT120A/UT120B only)



UT120 SERIES

Pocket Size Digital Multimeters

meters.uni-trend.com

DIGITAL MULTIMETERS

UT120 series multimeters are designed for DIYers and electronics engineers to troubleshoot electronics systems development and electronics circuits. It is a simple and portable multimeter for every electronics engineer.



UT120C

Features:

- Auto range measurement
- Pocket size design
- Duty cycle: 0.1%~99.9%
- Continuity & Diode measurement
- Data hold & Relative mode
- APO & Low battery indication



All the models in this page share the same mold.

Specifications	Range	UT120A	UT120B	UT120C
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+1)
AC voltage (V)	600V	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC current (A)	400mA			±(1%+3)
AC current (A)	400mA			±(1.5%+5)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	100μF		±(4%+3)	±(4%+3)
Frequency (Hz)	100kHz	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
Display count	4000			
Overvoltage category	CAT II 600V			

Characteristics	
Standard accessories	Blister, English manual
Power	3V battery (CR2032)
Display	43 x 22mm
Product size	110 x 58.2 x 10.8mm
Product net weight	76g
Standard individual packing	Gift box
Standard quantity per carton	60pcs
Standard carton measurement	430 x 255 x 460mm
Standard carton gross weight	11.5kg



UT121 SERIES

Smart Digital Multimeters

The UT121 series offers a range of multifunctional, ultra-thin multimeters with large screens, perfect for home electrical maintenance, basic testing, and non-professional troubleshooting. Their intuitive interface and advanced capabilities make these devices the reliable choice for efficient electronic measurements.

Features:

- Large LCD screen with dual display
- Auto range & smart measurement
- Multi-functional all in one
- NCV detection
- APO & Low battery indication
- High voltage alert



UT121A



UT121B



UT122

Specifications	Range	UT121A	UT121B	UT122
Manual language	EN, RU, ES			
AC voltage (V)	6V/60V/600V	$\pm(1.0\%+3)$		$\pm(1.0\%+3)$
	6V/60V/600V/750V		$\pm(1.5\%+3)$	
AC voltage frequency (Hz)	10Hz~1kHz	$\pm(0.5\%+2)$	$\pm(0.5\%+2)$	$\pm(0.5\%+2)$
DC voltage (V)	6V/60V/600V	$\pm(0.7\%+3)$		$\pm(0.5\%+3)$
	6V/60V/600V/1000V		$\pm(1.2\%+3)$	
Resistance (Ω)	6000 Ω /60K Ω /600K Ω /6M Ω /10M Ω	$\pm(2.0\%+5)$		
	600 Ω /6K Ω /60K Ω /600K Ω /60M Ω		$\pm(2\%+5)$	
	600 Ω /6K Ω /60K Ω /600K Ω /6M Ω /60M Ω			$\pm(2.0\%+5)$
Capacitance (F)	60nF/600nF~600 μ F/6000 μ F~60mF		$\pm(10\%+5)$	
	99.99nF/999.9nF~9.999 μ F /9.999mF~99.99mF			10%
Frequency (Hz)	10Hz~10MHz		$\pm(0.1\%+3)$	$\pm(0.1\%+3)$
Temperature ($^{\circ}$ C/ $^{\circ}$ F)	-40 $^{\circ}$ C~1000 $^{\circ}$ C/-40 $^{\circ}$ F~1832 $^{\circ}$ F		$\pm 3^{\circ}$ C/ $\pm 6^{\circ}$ F	$\pm 3^{\circ}$ C/ $\pm 6^{\circ}$ F
Display count		6199	6199	6199
Display mode (LCD) (kinds of measurement results)		Dual	Dual	Dual
Overvoltage category		CAT III 600V	CAT III 600V	CAT III 600V

Characteristics

Standard accessories	Batteries, test leads, temperature probe (UT121B/UT122), English manual
Power	2 x 1.5V AAA
Display	UT121A/UT121B: 52 x 66mm; UT122: 65 x 55mm
Product size	UT121A/UT121B: 143 x 74 x 17mm; UT122: 144 x 71 x 15.5mm
Product net weight	UT121A/UT121B: 142g; UT122: 157g
Standard individual packing	Gift box, carrying bag





UT123
(UT123/UT123T share the same mold)



UT123D



UT123 SERIES

Residential Digital Multimeters

The UT123 series are pocket-sized multimeters designed for home use. Its compact construction makes it easy to operate, and the EBTN screen allows users to get clear readings at the different angle, also suitable for use in dark environments. They are good tools for home or DIY enthusiasts.

Features:

- True RMS & button design(UT123D only)
- Pocket size design
- Auto range & Continuity (UT123/UT123T only)
- Audible & Visible alarm
- APO & Low battery indication
- Data hold & NCV test

LED FUNCTION DESCRIPTIONS

Functions	LED off	Green LED	Yellow LED	Red LED
*NCV		30V~60V	60V~100V	>220VAC
Continuity (UT123/123T)	>420Ω	Good (≤30Ω)		Poor (30Ω~420Ω)
Battery power	LED ON for 2s when power on	Normal (>2.7V)	Low (2.5V~2.7V)	No power (<2.5V)

*NCV voltage values above are tested at contact distance (0cm) from the charged bare wire, it is used for reference only. When meter is at some distance away from test object, NCV indication light may change to the weaker voltage color.

Specifications	Range	UT123	UT123T	UT123D
DC voltage (V)	600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+3)
AC voltage (V)	600V	±(1%+3)	±(1%+3)	±(0.8%+3)
DC Current (A)	10A			±(1%+3)
AC Current (A)	10A			±(1.2%+3)
Resistance (Ω)	20MΩ 40MΩ	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	4000μF			±(4%+5)
Temperature (°C)	-40°C~300°C	±(1%+5)	±(1%+5)	
Temperature (°F)	-40°F~572°F	±(2%+6)	±(2%+6)	
Display count	4000	√	√	
Overvoltage category	CAT III 600V	√	√	√



Temperature measurement



Continuity, resistance



EBTN LCD screen, high contrast



UT125C

Pocket Size Digital Multimeter



UT125C is a compact, user-friendly, and dependable multimeter featuring a 4000-count display. Certified with CE/cETLus and rated for CAT III 600V, it's an indispensable tool for electronics enthusiasts engaged in DIY projects, especially when handling low currents below 0.4A.

Features:

- Pocket size design
- Low current measurement
- Continuity & Diode test
- NCV detection
- Data hold & Backlight
- Low battery indication



UT125C



Specifications	Range	Accuracy
DC voltage (V)	600V	$\pm(0.5\%+5)$
AC voltage (V)	600V	$\pm(1.2\%+5)$
DC current (A)	400mA	$\pm(1.8\%+5)$
AC current (A)	400mA	$\pm(2\%+8)$
Resistance (Ω)	40M Ω	$\pm(1\%+5)$
Capacitance (F)	100 μ F	$\pm(4\%+10)$
Frequency (Hz)	10Hz~60kHz	$\pm(0.1\%+5)$
Duty cycle	20%~80%	Reference
Operating temperature	0°C~50°C	
Oversoltage category	CAT III 600V	

Characteristics	
Standard accessories	Batteries, English manual
Power	1.5V battery (R03) x 2
Display	38 x 23mm
Product size	112 x 58 x 35mm
Product net weight	180g
Standard individual packing	Gift box
Standard quantity per carton	60pcs
Standard carton measurement	500 x 290 x 280mm
Standard carton gross weight	13.5kg





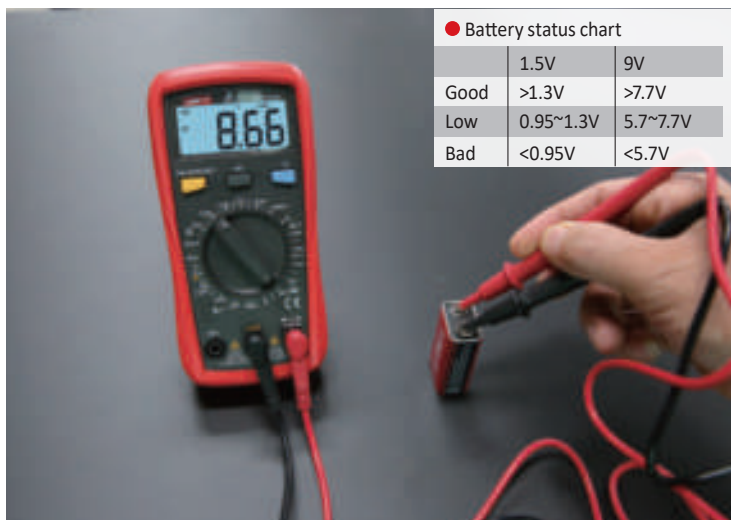
UT133 SERIES

Digital Multimeters

The UT133 series is a compact multimeter equipped with a smart ADC chip, ensuring reliable performance. It features overload alarms and robust electrical protection, making it a professional-grade tool specifically designed for the electrical industry.

Features:

- Overload (voltage/current) alert
- Battery test with status
- 2m drop protection
- Test probe holder
- Continuity & Diode test
- APO & LCD backlight



UT133B
(UT133A/UT133B share the same mold)

Specifications	Range	UT133A	UT133B
DC voltage (V)	600mV/6000mV/60V/600V	±(0.7%+3)	±(0.7%+3)
AC voltage (V)	600V	±(0.7%+3)	±(1.2%+3)
DC current (A)	600μA/60mA/600mA/10A	±(1%+3)	±(1%+2)
AC current (A)	10A	±(1.2%+3)	
Resistance (Ω)	600Ω/6000Ω/60kΩ/600kΩ/60MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	9.999mF	±(4%+5)	±(4%+5)
Frequency (Hz)	10.00Hz~1.000MHz	±(0.1%+5)	
Temperature (°C)	-40°C~1000°C	±(1%+4)	
Temperature (°F)	-40°F~1832°F	±(1.5%+5)	
Display count		6000	6000
Range selection		Auto	Manual
Battery test	Tests 1.5V and 9V batteries and displays 'good', 'low', 'bad' status		V
Overvoltage category	CAT III 600V		

Characteristics	
Standard accessories	Test leads, K-type thermocouple (UT133A), English manual
Power	1.5V battery (R03) x 2
Display	50 x 23mm
Product size	155 x 76.5 x 49mm
Product net weight	255g (with batteries)
Standard individual packing	Gift box
Standard quantity per carton	30pcs
Standard carton measurement	350 x 335 x 318mm
Standard carton gross weight	11.8kg



UT136+ SERIES

Digital Multimeters

The UT136+ series multimeter offers a durable design, surviving drops up to 2 meters, and features a clear LCD screen with a 4times/s sampling rate for accurate readings. It is certified safe for CAT II 1000V/CAT III 600V environments.



UT136C+
(UT136B+/UT136C+ share the same mold)

Features:

- Equipped with 3mm protective sleeve
- Wide measurement range (V+A)
- Fast test with 4 times/s
- Continuity & Diode test
- APO & LCD Backlight
- 2m drop protection



Specifications	Range	UT136B+	UT136C+
DC voltage (V)	1000V	±(0.7%+3)	±(0.7%+3)
AC voltage (V)	1000V	±(1%+3)	±(1%+3)
DC current (A)	10A	±(1%+3)	±(1%+3)
AC current (A)	10A	±(1.2%+5)	±(1.2%+5)
Resistance (Ω)	40MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	40mF	±(3%+5)	±(3%+5)
Frequency (Hz)	400Hz~40MHz	±(0.1%+4)	±(0.1%+4)
Temperature (°C)	-40~1000°C		±(1%+3)
Temperature (°F)	-40~1832°F		±(1.5%+5)
Display count		4000	4000
NCV		√	
Overvoltage category	CAT II 1000V, CAT III 600V		

Characteristics

Standard accessories	Batteries, test leads, temperature probe (UT136C+), English manual
Power	1.5V battery (R6) x 2
Display	56.5 x 36mm
Product size	175 x 83 x 53mm
Product net weight	330g
Standard individual packing	Gift Box
Standard quantity per carton	30pcs
Standard carton measurement	390 x 355 x 355mm
Standard carton gross weight	14.8kg





UT139 SERIES

True RMS Digital Multimeters

The UT139 series digital multimeters, designed for electrical engineers, offer AC/DC 600V test range, true RMS, and both auto and manual ranging. All models, except the UT139S, include VFC measurement, making them a versatile choice for a wide range of applications in electronics and electrical work.

Features:

- True RMS measurement
- Auto/Manual range
- NCV & Continuity test
- VFC test (UT139A/UT139B/UT139C)

All the models in this page share the same mold.

Specifications	Range	UT139A	UT139B	UT139C	UT139S
DC voltage (V)	600V	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
AC voltage (V)	600V	±(1%+3)	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
DC current (A)	10A	±(1%+3)	±(1%+3)	±(1%+3)	±(1%+3)
AC current (A)	10A	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
Resistance (Ω)	20MΩ	±(1%+2)			
	40MΩ		±(0.8%+2)		
	60MΩ			±(0.8%+2)	±(0.8%+2)
Capacitance (F)	99.99mF		±(4%+5)	±(4%+5)	±(4%+5)
Frequency (Hz)	10Hz~10MHz		±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature (°C)	-40 °C~1000°C			±(1%+3)	±(1%+4)
Temperature (°F)	-40°F~1832°F			±(1.5%+5)	±(1.5%+5)
Display count		2000	4000	6000	6000
Display type		LCD	LCD	LCD	EBTN
Bandwidth (Hz)		45Hz~400Hz	45Hz~1kHz	45Hz~1kHz	45Hz~400Hz
Duty cycle	0.1%~99.9%		√	√	√
Diode		Around 2V	Around 3V	Around 3V	Around 3V
LoZ (ACV)					√
LPF (ACV)					√
Analog bar					√
Overvoltage category	CAT III 600V				



UT139S



Characteristics	
Standard accessories	Batteries, test leads, temperature probe (UT139C/S), English manual
Power	1.5V battery (R6) x 2
Display	58 x 36mm
Product size	170 x 80 x 48mm
Product net weight	UT139A/B/C: 354g; UT139S: 345g
Standard individual packing	Gift box
Standard quantity per carton	20pcs
Standard carton measurement	UT139A/B/C: 450 x 330 x 340mm; UT139S: 425 x 275 x 340mm
Standard carton gross weight	UT139A/B: 11.8kg; UT139C: 12.3kg; UT139S: 12.4kg



UT171 SERIES

Industrial True RMS Digital Multimeters



The UT171 series offers industrial-grade multimeters for professionals. These instruments feature a square wave output and LoZ (ACV) for residual voltage detection. The standout features include auto/manual range, a 31-segment analog bar graph, true RMS test. Safety features like a mis-plug alarm, and input protection enhance convenience. It is a reliable tool for various electrical testing needs.

Features:

- True RMS measurement
- Auto/Manual range
- Analog bar graph: 31 segments
- Mis-plug alarm & Input protection
- MAX/MIN & Relative mode
- LCD Backlight & APO



- Works with UT-D07B Bluetooth adaptor

Specifications	Range	UT171B	UT171C
DC voltage (V)	1000V	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.4%+40)	±(0.4%+40)
DC current (A)	10A	±(0.15%+10)	±(0.15%+10)
AC current (A)	10A	±(0.75%+20)	±(0.75%+20)
Resistance (Ω)	60MΩ	±(0.05%+2)	±(0.05%+2)
Conductance (nS)	60nS	±(1%+10)	±(1%+10)
Capacitance (F)	60mF	±(2.5%+5)	±(2.5%+5)
Frequency (Hz)	10Hz~10MHz	±(0.01%+5)	±(0.01%+5)
Temperature (°C)	-40°C~1000°C	±(1%+3)	±(1%+3)
Temperature (°F)	-40°F~1832°F	±(1.5%+5)	±(1.5%+5)
Display count		60000	60000
4~20mA loop	0~100%	√	√
LoZ (ACV)	Around 3kΩ	√	√
Data storage		9999	9999
Display type		EBTN	OLED
Overvoltage category	CAT III 1000V, CAT IV 600V		

Characteristics	
Standard accessories	Batteries, test leads, point contact temperature probe, English manual, USB interface cable, power adaptor (UT171B/C)
Optional accessories	Bluetooth adaptor (UT-D07B)
Power	UT171A: 1.5V battery (R03) x 6; UT171B/C: 7.4V 2000mAh Li-ion battery
Display	UT171A: 70.6 x 49.5mm UT171B/C: 70.6 x 35.3mm
Product size	206 x 95 x 55mm
Product net weight	384g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	5pcs
Standard carton measurement	390 x 310 x 205mm
Standard carton gross weight	5.6kg



UT171C
(UT171B/UT171C share the same mold)



Download from Apple Store or Google Play!

By using the UNI-T Smart Measure App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.





UT181A

True RMS Datalogging Multimeter

meters.uni-trend.com

DIGITAL MULTIMETERS

UT181A is a datalogging true RMS multimeter with features such as trend capture, low pass filter, nS conductance, dual temperature, and more. Users can store up to 20000 sets of measurement data and display them on a trend graph for long term monitoring.

Features:

- True RMS measurement
- Data logging: 20000 sets
- Dual temperature test: T1, T2, T1-T2, T2-T1
- Trend capture measurement
- Mis-plug alarm
- Rechargeable battery



• Works with UT-D07B Bluetooth adaptor



UT181A



Download from Apple Store or Google Play!

By using the UNI-T Smart Measure App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.



Specifications	Range	Accuracy
DC voltage (V)	1000V	±(0.025%+5)
AC voltage (V)	1000V	±(0.3%+30)
DC current (A)	10A	±(0.08%+10)
AC current (A)	10A	±(0.6%+20)
Resistance (Ω)	60MΩ	±(0.05%+2)
Conductance (nS)	60nS	±(2%+10)
Capacitance (F)	60mF	±(2%+5)
Frequency (Hz)	10Hz~60MHz	±(0.01%+5)
Temperature (°C)	-40°C~1000°C	±(1%+30)
Temperature (°F)	-40°F~1832°F	±(1.5%+50)
Display count	60000	
IP rating	IP65	
Overvoltage category	CAT III 1000V, CAT IV 600V	

Characteristics	
Standard accessories	Battery, test leads, temperature adaptor socket, point contact temperature probes, power adaptor socket, power adaptor, USB interface cable, English manual
Optional accessories	Bluetooth adaptor (UT-D07B)
Power	Li-ion battery: 7.4V 2200mAh
Display	3.5-inch 64k color TFT LCD (320 x 240)
Product size	225 x 103 x 59mm
Product net weight	638.6g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	5pcs
Standard carton measurement	355 x 310 x 265mm
Standard carton gross weight	7kg



UT191 SERIES

Professional Multimeters



The UT191 Series is designed for industrial users, featuring professional multimeters with CAT III 600V compliance and IP65 rating for damp and dusty environments. The 'Function Memory' retains settings for efficiency, while the UT191T offers accurate temperature measurement.

Features:

- True RMS & Peak value measurement
- IP65 & 2m drop protection
- Continuity & Diode test
- Auto/Manual range
- APO & Auto backlight & Flashlight
- High precise temperature measurement

Specifications	Range	UT191E	UT191T
DC voltage (V)	600V	±(0.2%+5)	±(0.2%+5)
AC voltage (V)	600V	±(1%+3)	±(1%+3)
LoZ AC (V)	600V	±(2%+3)	±(2%+3)
ACV LPF	600V	±(2%+5)	±(2%+5)
DC current (A)	20A	±(0.8%+3)	±(0.8%+3)
AC current (A)	20A	±(1%+3)	±(1%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	60mF	±(3%+5)	±(3%+5)
Frequency (Hz)	10Hz~1MHz	±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)	±(2%+5)
Temperature (°C)	-40°C~400°C (0.1°C resolution)		±(1%+20)
Temperature (°F)	-40°F~752°F (0.2°F resolution)		±(1%+40)
ACV peak hold		±(2%+100)	±(2%+100)
Peak current detection		±(3%+100)	±(3%+100)
Display count	6000		
Sampling rate	3 times/second		
Sampling rate	3 times/second		
Analog bar graph	31 sections		
AC voltage frequency response	45Hz~400Hz		
AC current frequency response	45Hz~400Hz		
IP rating	IP65		
Overvoltage category	CAT III 600V		



UT191T
(UT191E/UT191T share the same mold)



Characteristics

Standard accessories	Test lead, battery, carrying bag, point contact temperature probe (UT191T), English manual
Power	9V battery
Display	58 x 42mm
Product size	180 x 87 x 59mm
Product net weight	428g
Standard individual packing	Gift box
Standard quantity per carton	10pcs
Standard carton measurement	535 x 315 x 335mm
Standard carton gross weight	9.2kg





UT195 SERIES

Professional Multimeters



UT195DS

The UT195 series offers industrial digital multimeters that are IP65-rated and 2m drop-proof, ideal for harsh environments like mines and oilfields. Designed for tasks such as motor diagnostics, equipment maintenance, and electrical repairs, these multimeters combine ruggedness with user-friendly operation.

Features:

- True RMS measurement
- IP65 & 2m drop protection
- 3-phase sequence test (UT195M/UT195DS)
- MAX/MIN/Data hold mode
- LPF ACV function (UT195DS)
- APO/Flashlight/Auto backlight



All the models in this page share the same mold.

Specifications	Range	UT195E	UT195M	UT195DS
DC voltage (V)	1000V	±(0.2%+5)	±(0.2%+5)	±(0.2%+5)
AC voltage (V)	1000V	±(1%+3)	±(1%+3)	±(1%+3)
AC+DC	600V			±(1.5%+4)
LoZ ACV	600V	±(2%+3)	±(2%+3)	±(2%+3)
DC current (A)	20A	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
AC current (A)	20A	±(1%+3)	±(1%+3)	±(1%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance	60mF	±(3%+5)	±(3%+5)	±(3%+5)
Frequency	60Hz~10MHz 60Hz~40MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Duty cycle	0.1%~99.9%	±(2%+5)		±(2%+5)
Temperature (°C)	-40°C~1000°C		±(1.5%+4)	
Temperature (°F)	-40°F~1832°F		±(2%+5)	
Display count		6000	6000	6000
Display interface (LCD)		Single	Single	Dual
Measurement sampling rate		3 times/s	3 times/s	5 times/s
Analog bar sampling rate		10 times/s		20 times/s
Analog bar		31		31
AC voltage frequency response		45~400Hz	45~1kHz	45~5kHz
AC current frequency response		45~400Hz	45~1kHz	45~5kHz
3-phase motor sequence test			600V	600V
Low pass filter				1kHz
Diode/Continuity test		3.5V	3V	3V
Peak hold				250μs
IP rating		IP65		
Overvoltage category		CAT III 1000V, CAT IV 600V		

Characteristics	
Standard accessories	Test probes, battery, carrying bag, point contact temperature probe (UT195M), English manual (German, French, Spanish optional)
Power	9V battery
Display	66 x 51mm
Product size	195 x 95 x 58mm
Product net weight	437g
Standard individual packing	Gift box
Standard quantity per carton	10pcs
Standard carton measurement	605 x 335 x 405mm
Standard carton gross weight	UT195E/UT195M: 11.8kg; UT195DS: 11.18kg



UT890 SERIES

True RMS Digital Multimeters

The UT890C/D+ True RMS multimeters offer quick capacitor measurement and visible NCV and continuity indications. With automatic fuse detection and high-voltage protection, they are widely used in electrical switchboards, HVAC systems, and equipment installation/maintenance.

Features:

- True RMS (6000 count) measurement
- High voltage false detection: 1000Vrms
- Audible & visible alarm (NCV/Continuity)
- Current(AC/DC) mode memory function
- Fuse blowing alarm (mA function only)
- NCV/hFE/Max/Min



Live and nature wires identification



Fuse blowing alarm (mA only)



UT890D+
(UT890C/UT890D+ share the same mold)

Specifications	Range	UT890C	UT890D+
DC voltage	600mV/6V/60V/600V/1000V	±(0.7%+3)	±(0.7%+3)
AC voltage	6V/60V/600V/750V	±(0.8%+3)	±(0.8%+3)
ACV Frequency	10Hz~10kHz	±(0.1%+5)	±(0.1%+5)
DC current	60μA/600μA/6mA/60mA/600mA/20A	±(0.8%+8)	±(0.8%+8)
AC current	60μA/600μA/6mA/60mA/600mA/20A	±(1%+12)	±(1%+12)
Resistance	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(0.8%+3)	±(0.8%+3)
Capacitance	100mF	±(3%+10)	±(3%+10)
Frequency	9.999Hz~9.999MHz	±(0.1%+5)	±(0.1%+5)
Temperature	-40°C~1000°C/-40°F~1832°F	±(1%+3)	
Display count		6000	6000
Live			√
Overtoltage category	CAT II 1000V, CAT III 600V		

Characteristics	
Standard accessories	Batteries, test lead, k-type temperature probe (UT890C), English manual
Power	1.5V battery (R03) x 2
Display	60 x 35mm
Product size	183 x 88 x 56mm
Product net weight	346g
Standard individual packing	Gift box
Standard quantity per carton	40pcs
Standard carton measurement	645 x 450 x 340mm
Standard carton gross weight	23.3kg



UT892

2000V AC/DC High Voltage Digital Multimeter

The UT892 High Voltage Multimeter provides AC/DC voltage measurement up to 2000V with full overload protection. Featuring VFC mode, NCV, and LIVE test functions, along with CAT II 1000V/CAT III 600V safety-rated terminals, it is a versatile and secure tool for electrical tasks.

Features:

- High voltage test with backlight alert
- True RMS with 6000 count
- Full range overload protection
- VFC and fast response (only capacitor)
- 1m drop with stable accuracy

Specifications	Range	Range
DC voltage (V)	2000V	±(0.5%+3)
AC voltage (V)	2000V	±(1.0%+3)
Variable frequency voltage (VFC)	600V	±(5%)
High voltage frequency (Hz)	10Hz~10kHz	±(0.5%+2)
Resistance (Ω)	60MΩ	±(0.5%+5)
Capacitance (F)	60mF	±(3.0%+10)



UT892

Features		
Display counts		6000
Auto/manual range		√
NCV		√
LIVE test		√
Diode		√
Continuity		√
Low battery indication	≤2.5V approximately	√
Data hold		√
Max/Min		√
Relative mode		√
Auto power off	Approximately 15 minutes	√
Backlight		√
Overvoltage category	CAT II 1000V/CAT III 600V	√



Characteristics	
Standard accessories	English manual, test leads, batteries
Power	AA 1.5V x 2
Product size	187 x 88 x 56mm
Product net weight	350g (Including batteries)
Standard individual packing	Gift box
Standard quantity per carton	40pcs
Standard carton measurement	645 x 450 x 350mm



Digital Clamp Meters

Clamp meters are handheld devices with multimeter functions and able to measure AC/DC current directly without breaking the electrical conductor. Today's clamp meters are multi-functional designed and used in HVAC/R, electrical vehicles, electrical installation, motor inspection, engineering, and many other applications. UNI-T clamp meters are well known for its performance, practicality, and reliability.





UT-CS07

1000A AC/DC Clamp Sensor

meters.uni-trend.com

DIGITAL CLAMP METERS

The UT-CS07 AC/DC 1000A clamp sensor is compact and slim, ideal for measuring large currents on-site. With safety ratings of CAT III 1500V and CAT IV 600V, it's a reliable tool for electrical engineers.

Features:

- Large current test: AC/DC 1000A
- Compact and slim body
- Ultral sharp clamp for solar system
- Frequency response: AC 45Hz to 1000 Hz
- CAT III 1500V & CAT IV 600V

Specifications	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
ACA current	100A: 10mV/A $\pm(1.5\%+0.5A)$
	1000A: 1mV/A $\pm(2.0\%+0.5A)$
DCA current	100A: 10mV/A $\pm(1.5\%+0.5A)$
	1000A: 1mV/A $\pm(2.0\%+0.5A)$
Jaw opening	35mm
Output ratio	10mV/A & 1mV/A
Wire length	1.1m
True RMS	Depends on the Multi-meter
Response time	Depends on the Multi-meter
Frequency (ACA)	45Hz~400Hz
Waveform display	Adaptable oscilloscope
Accuracy	Depends on the Multi-meter
Power supply	1.5V AAA x 2
Drop test	1m
Overvoltage category	CAT III 1500V/CAT IV 600V

Characteristics	
Dimension	276 x 86 x 50mm



*Product is preliminary and subject to change pending final release information.



UT200A+/UT200B+ SERIES

Digital Clamp Meters

The UT200A+ & UT200B+ AC current clamp meters are perfect for residential maintenance by electricians. With 3A AC current measurement, True RMS, LIVE test, and alarms, they are essential for home users and DIY enthusiasts.

Features:

- True RMS measurement
- Audible & Visible alarm
- Low current measurement
- Overload protection
- Auto power off



UT200A+

UT200B+



Specifications	Range	UT200A+	UT200B+
Manual language	EN, RU, ES		
Current (ACA)	3A	±(4%+10)	±(4%+10)
	30A	±(3%+5)	±(4%+5)
	400A	±(3%+5)	
	600A		±(4%+5)
Voltage (ACV)	3V~600V	±(1.2%+5)	±(1.2%+5)
Frequency (Hz)	10H~10kHz	±(1.0%+5)	±(1.0%+5)
Voltage (DCV)	3V~300V	±(1.0%+5)	±(1.0%+5)
	300V~600V	±(1.0%+3)	±(1.0%+3)
Resistance	300Ω~300kΩ	±(1.0%+5)	±(1.0%+5)
	300kΩ~3MΩ	±(2.0%+5)	±(2.0%+5)
Capacitance	30nF~300nF		±(4%+10)
	3μF~300μF		±(4%+5)
	1mF		±(5%+10)
Jaw size		28mm	28mm
Display count		3099	3099
Diode/Continuity		√	√
Auto range		√	√
High voltage warning		√	√
Hold/Backlight		√	√
Flashlight		√	√
Overvoltage category		CAT III 600V	CAT III 600V



UT200+/UT200R SERIES

400A/600A Digital Clamp Meters

meters.uni-trend.com

DIGITAL CLAMP METERS



High voltage (600V) frequency measurement



NCV multi-segment display and audio/visual alarm



600V protection across all range



Small range measurement, accuracy guarantee range 1%-100%



UT201+/202+/202A+/
UT201R/202R/202F
(AC current only)
(All the models in this page
share the same mold)



UT203+/204+/
UT203R/204R
(AC/DC current)
(All the models in this page
share the same mold)



True RMS



LCD backlight



Larger screen and display digits



60mF large capacitance measurement
(UT202A+/204+/202F/204R)



Neutral/live wire test (UT202A+/204+)



UT200+/UT200R SERIES

400A/600A Digital Clamp Meters

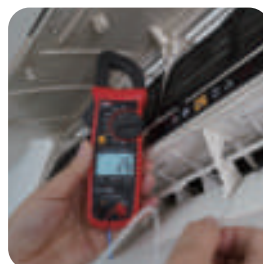
(UT200R/F series only)



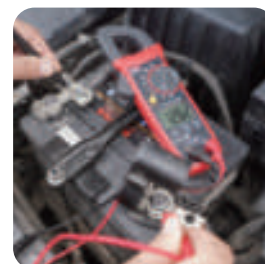
Industrial electricity



Residential electricity



Air conditioning



Automobile

Specifications	Range	UT201+/201R	UT202+/202R	UT202A+/202F	UT203+/203R	UT204+/204R
AC current (A)	400A 600A	±(2%+10)	±(2%+10)		±(2%+5)	±(2%+5)
AC current frequency		50Hz~100Hz	50Hz~100Hz	50Hz~100Hz	45Hz~400Hz	45Hz~400Hz
DC current (A)	400A 600A				±(2%+5)	±(2%+5)
AC voltage (V)	600V	±(0.8%+5)	±(0.8%+5)	±(0.8%+5)	±(0.8%+5)	±(0.8%+5)
AC voltage frequency		45Hz~400Hz	45Hz~400Hz	45Hz~400Hz	45Hz~400Hz	45Hz~400Hz
High voltage frequency	5~600V (on voltage position)	10Hz~10kHz	10Hz~10kHz	10Hz~10kHz	10Hz~60kHz	10Hz~60kHz
DC voltage (V)	600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
Resistance (Ω)	40MΩ 60MΩ	±(0.8%+2)	±(0.8%+2)		±(0.8%+2)	±(0.8%+2)
Capacitance (F)	4mF 40mF 60mF		±(4%+5)		±(4%+5)	±(4%+5)
Temperature (°C)	-40°C~1000°C		±(1.5%+5)			±(1.5%+5)
Frequency (Hz)	<30V (on Hz position)			10Hz~10MHz	10Hz~10MHz	10Hz~10MHz
Display count		4000	4000	6000	4000	6000
Jaw opening		28mm	28mm	28mm	28mm	28mm
Relative mode			√	√	√	√
Zero mode					√	√
Overvoltage category	CAT II 600V, CAT III 300V					

Features

Auto range	Data hold
True RMS/NCV	MAX/MIN
Continuity test	Low battery indication
Diode	Auto power off

Characteristics

Standard accessories	Batteries, test leads, Thermocouple (UT202+/204+/202R/204R), English manual
Power	1.5V battery (R03) x 2
Display	37 x 25mm
Product size	215 x 63 x 36mm
Product net weight	Around 240g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	40pcs
Standard carton measurement	485 x 295 x 385mm
Standard carton gross weight	UT201+/201R: 16.6kg; UT202+/202R: 17.1kg; UT203+/203R: 16.1kg; UT202A+/UT204+/202F/204R: 16.7kg





UT200 SERIES

1000A True RMS Digital Clamp Meters

meters.uni-trend.com

DIGITAL CLAMP METERS

The UT200 series comprises 6000-count digital clamp meters with auto-ranging, large LCD displays, true RMS accuracy, auto scale memory, and NCV capabilities. These meters adhere to CAT III 1000V/CAT IV 600V and are CE/ETL certified. They are ideal tools for electronic and electrical engineers.

Features:

- True RMS with 6000 count
- Audible & Visible alarm for NCV
- Continuity & Diode test
- MAX/MIN/Relative mode
- LPF ACV (UT206B/UT207B/UT208B)
- LoZ ACV (UT206B/UT207B/UT208B)



UT208B

All the models in this page share the same mold.

Specifications	Range	UT205E	UT206B	UT207B	UT208B
AC current (A)	1000A	±(2%+5)	±(2%+5)	±(2%+5)	±(2%+5)
DC current (A)	1000A			±(2%+5)	±(2%+5)
AC current frequency response		50Hz~60Hz	50Hz~60Hz	40Hz~400Hz	40Hz~400Hz
Inrush current (A)	1000A		±(10%+10)	±(10%+10)	±(10%+10)
AC voltage (V)	1000V	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)	±(1.2%+3)
DC voltage (V)	1000V	±(0.5%+5)	±(0.5%+5)	±(0.5%+5)	±(0.5%+5)
Low pas filter (LPF ACV)	1000V		±(2%+5)	±(2%+5)	±(2%+5)
AC voltage frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~400Hz	40Hz~400Hz
LoZ ACV	1000V		±(2%+5)	±(2%+5)	±(2%+5)
Resistance (Ω)	60MΩ	±(1%+2)	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	60mF	±(4%+5)	±(4%+5)	±(4%+5)	±(4%+5)
Temperature	-40°C~1000°C -40°F~1832°F		±(1%+2) ±(1%+4)		±(1%+2) ±(1%+4)
Low voltage frequency (Hz)	10Hz~1MHz	±(0.1%+3)	±(0.1%+3)	±(0.1%+3)	±(0.1%+3)
Duty cycle (%)	10%~90%	±(2.6%+7)	±(2.6%+7)	±(2.6%+7)	±(2.6%+7)
Analog bar			31	31	31
Flexible current probe (optional)	Up to 3000A		v		v
Zero mode				v	v
Display count		6000	6000	6000	6000
Jaw opening		42mm	42mm	42mm	42mm
Overvoltage category	CAT III 1000V, CAT IV 600V				

Characteristics	
Standard accessories	Test leads, batteries, point contact temperature probe (UT206B/UT208B), English manual
Power	1.5V battery (R03) x 3
Display	43 x 45mm
Product size	272 x 81 x 43.5mm
Product net weight	UT205E/UT206B: 465g; UT207B/UT208B: 420g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	UT205E/UT206B/UT207B: 10pcs; UT208B: 5pcs
Standard carton measurement	UT205E/UT206B/UT207B: 355 x 330 x 315mm; UT208B: 355 x 330 x 165mm
Standard carton gross weight	UT205E/UT206B/UT207B: About 7.1kg; UT208B: About 4.5kg



UT205A+/UT206A+/UT205B

1000A Digital Clamp Meters

The UT205A+/UT206A+/UT205B 1000A digital clamp meter features a sleek, lightweight design with a screen backlight for easy use in dim environments. It offers dependable performance, making it ideal for electronic and electrical maintenance tasks.

Features:

- Large Jaw size: 45mm
- Large current test: 1000ACA
- Lightweight design
- Backlight for dim environments
- CAT II 1000V & CAT III 600V



UT205B

UT206A+
(UT205A+/UT206A+ share
the same mold)

Specifications		UT205A+	UT205B	UT206A+
AC current (A)	1000A	±(1.5%+5)	±(1.5%+5)	±(1.5%+5)
Inrush current (A)	600A			±(5%+10)
AC voltage (V)	1000V	±(1.0%+2)	±(1.0%+2)	±(1.0%+2)
ACV frequency (Hz)	10Hz~10kHz	±(1.0%+5)	±(1.0%+5)	±(1.0%+5)
DC voltage (V)	1000V	±(0.7%+3)	±(0.8%+2)	±(0.7%+3)
Resistance (Ω)	40MΩ 60MΩ	±(0.8%+2)	±(2.5%+5)	±(0.8%+2)
Capacitance (F)	40mF 60mF	±(4%+5)	±(10%)	±(4%+5)
Frequency (Hz)	10Hz~10MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature (°C/°F)	-40°C~1000°C/-40°F~1832°F			±4°C/±5°F
Display count		4099	4099	6099
Jaw opening		45mm	55mm	45mm
Overvoltage category	CAT II 1000V/CAT III 600V			

Characteristics

Standard accessories	Test leads, batteries, point contact temperature probe(UT206A+ only), English manual
Power	1.5V x 2
Product size	240 x 76 x 40mm
Product net weight	240g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	420 x 290 x 280mm





UT202T/UT202BT

Smart AC Clamp Meters

The UT202BT is a Bluetooth-enabled smart clamp meter, featuring a low pass filter mode, inrush current detection, peak hold, and other standard clamp meter functions. On the other hand, the UT202T is a user-friendly smart clamp meter with button design.

Features:

- Smart test with button design
- True RMS measurement
- NCV function (for voltage)
- Backlight & Flashlight
- Dual display (V+Hz; A+Hz)



UT202T

UT202BT

Specifications	Range	UT202T	UT202BT
DC voltage (V)	600V	±(0.5%+3)	±(0.5%+3)
AC voltage (V)	600V	±(0.8%+3)	±(0.8%+3)
AC current (A)	600A	±(2.5%+5)	±(2.5%+5)
Resistance (Ω)	6MΩ 100MΩ	±(0.8%+3)	±(0.8%+3)
Frequency (Hz)	40Hz~1000Hz	±(1.0%+5)	±(1.0%+5)
Capacitance (F)	100mF	±(4%+5)	±(4%+5)
Temperature (°C)	-40°C~1000°C		±5
Temperature (°F)	-40°F~1832°F		±9
Jaw opening		28mm	28mm
Display count		9999	9999
Overvoltage category		CAT III 600V	CAT III 600V

Characteristics	
Standard accessories	UT202T: Test leads, batteries; UT202BT: Test leads, batteries, temperature probe
Power	1.5V battery (R03) x 2
Product size	205 x 65 x 32mm
Product net weight	238g
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	40pcs
Standard carton measurement	485 x 295 x 385mm



UT210/UT211 SERIES

Mini Clamp Meters/60A Mini Clamp Meter



The UT210 series mini clamp meters are crafted for efficiency in confined spaces, serving as crucial instruments for maintaining mechanical and electrical equipment, installing home appliances, and conducting residential electrical upkeep.

Features:

- True RMS test (UT210B/C/D/E/UT211B)
- VFC function (UT210E/UT211B)
- Ergonomic and lightweight design
- 2~3 times/s sampling rate
- Input protection and APO
- Auto range & Data hold



UT211B

All the models in this page share the same mold.

Specifications	Range	UT210A	UT210B	UT210C	UT210D	UT210E	UT211B
AC current (A)	60A (0.1mA resolution) 100A 200A					±(2.5%+5)	±(1.5%+10)
DC current (A)	60A 100A 200A	±(2.5%+20)	±(2.5%+20)	±(2%+10)	±(2.5%+8)	±(2%+3)	±(2%+3)
AC voltage (V)	600V			±(1%+3)	±(1%+3)	±(1%+3)	±(0.8%+3)
DC voltage (V)	600V			±(0.7%+3)	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
Resistance (Ω)	20MΩ 60MΩ			±(1%+2)	±(1%+2)	±(1%+2)	±(0.8%+2)
Frequency (Hz)	60kHz				±(0.1%+4)		
Capacitance (F)	20mF 62mF			±(4%+5)	±(4%+5)	±(4%+5)	±(4%+5)
Temperature	-40°C~1000°C -40°F~1832°F			±(1%+3) ±(1.5%+5)	±(1%+3) ±(1.5%+5)		
Display count		2000	2000	2000	2000	2000	6000
Continuity buzzer				√	√	√	√
Jaw opening		16mm	16mm	17mm	17mm	17mm	17mm
Diode test	Around 3.0V			√	√	√	√
Overvoltage category	CAT II 600V, CAT III 300V						

Characteristics

Standard accessories	Batteries, test leads (UT210C/D/E/UT211B), point contact temperature probe (UT210C/D), English manual
Power	1.5V battery (R03) x 2
Display	39.3 x 26.5mm
Product size	UT210A/B: 158 x 60 x 33.5mm; UT210C/D/E/UT211B: 175 x 60 x 33.5mm
Product net weight	UT210A/B: 150g (batteries included); UT210C/D/E/UT211B: 170g
Standard individual packing	Gift box, carrying bag (UT210C/D/E/UT211B)
Standard quantity per carton	UT210 series: 40pcs; UT211B: 10pcs
Standard carton measurement	UT210A/B: 345 x 245 x 300mm; UT210C: 385 x 345 x 305mm; UT210D/E: 385 x 320 x 310mm; UT211B: 330 x 205 x 170mm
Standard carton gross weight	UT210A: 8kg; UT210B: 7.2kg; UT210C: 14.8kg; UT210D: 12.9kg; UT210E: 12.3kg; UT211B: 4kg





UT213 SERIES

400A Digital Clamp Meters

meters.uni-trend.com

DIGITAL CLAMP METERS

UT213 series are 400A digital clamp meters with CAT III 600V safety standards. These meters are designed for electricians and HVAC/R technicians. The built-in flashlight also makes these meters useful tools when working in dark environments.

Features:

- True RMS measurement
- Auto range & input protection
- Data hold & Relative mode
- Continuity & Diode test
- LCD Backlight & Flashlight
- CAT III 600V overvoltage



UT213C

All the models in this page share the same mold.

Specifications	Range	UT213A	UT213B	UT213C
AC current (A)	400A	±(1.8%+9)	±(1.8%+9)	±(2.5%+5)
DC current (A)	400A			±(2%+3)
AC voltage (V)	600V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)
DC voltage (V)	600V	±(0.8%+1)	±(0.8%+1)	±(0.8%+3)
Resistance (Ω)	40MΩ	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	100μF 40mF	±(1%+2)	±(4%+5)	±(4%+5)
Frequency	10Hz~1MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature	-40°C~1000°C -40°F~1832°F		±(1%+3) ±(1%+6)	±(1%+3) ±(1%+6)
Display count		4000	4000	4000
Jaw opening		30mm	30mm	30mm
True RMS			√	√
Diode		Around 1.5V	Around 3.0V	Around 3.0V
MAX/MIN			√	√
Overvoltage category	CAT III 600V			

Characteristics	
Standard accessories	Batteries, test leads, point contact temperature probe (UT213B/UT213C), English manual
Power	1.5V battery (R03) x 3
Display	38 x 24mm
Product size	220 x 75 x 40mm
Product net weight	UT213A/B: 280g; UT213C: 231.7g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	485 x 345 x 205mm
Standard carton gross weight	UT213A: 9.1kg; UT213B: 9.8kg; UT213C: 9.7kg



UT216 SERIES

600A True RMS Digital Clamp Meters



The UT216 series digital clamp meters are designed for measuring high-frequency currents up to 400Hz in environments like server rooms and IT systems. With a double injection design for comfort and durability, these meters provide precise readings on a 6000 count display.



UT216D

Features:

- True RMS measurement
- Auto range & input protection
- MAX/MIN & Relative mode
- Continuity buzzer
- NCV detection
- Low battery indication



All the models in this page share the same mold.

Specifications	Range	UT216A	UT216B	UT216C	UT216D
AC current (A)	600A	±(2.5%+5)	±(2.5%+5)	±(2.5%+5)	±(2.5%+5)
AC current frequency response		50/60Hz	40~400Hz	40~400Hz	40~400Hz
DC current (A)	600A			±(2.5%+5)	±(2.5%+5)
AC voltage (V)	750V	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)
AC voltage frequency response		40~400Hz	40~400Hz	40~400Hz	45~400Hz
DC voltage (V)	1000V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
Resistance (Ω)	60MΩ	±(1%+2)	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	60mF	±(4%+5)	±(4%+5)	±(4%+5)	±(4%+20)
Frequency (Hz)	10Hz~1MHz		±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
Temperature (°C)	-40°C~1000°C			±(3%+5)	±(3%+5)
Temperature (°F)	-40°F~1832°F			±(2%+10)	±(2%+10)
Display count		6000	6000	6000	6000
Jaw opening		30mm	30mm	30mm	30mm
VFC			√	√	√
LCD backlight		√	√	√	
Inrush current				√	√
OLED display					√
Analog bar graph				61	21
Overvoltage category	CAT II 1000V, CAT III 600V				

Characteristics

Standard accessories	Batteries, test leads, point contact temperature probe (UT216C/UT216D), English manual
Power	1.5V battery (R03) x 3
Display	38 x 24mm
Product size	220 x 75 x 40mm
Product net weight	UT216A: 280g; UT216B/C/D: 231.7g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	10pcs
Standard carton measurement	350 x 290 x 200mm
Standard carton gross weight	5kg





UT219 SERIES

Professional Clamp Meters

meters.uni-trend.com

DIGITAL CLAMP METERS

UT219 series is 600A true RMS professional clamp meter with CAT IV 600V rating. It is industrially designed with IP54 rating and able to withstand 2 meters drop test for measurement in harsh environments. This series is suitable for professional electricians, HVAC/R and motor technicians.

Features:

- True RMS measurement
- Auto/Manual range
- IP54/2m drop protection
- 3-phase sequence test (UT219M/DS)
- Inrush current/AC+DC voltage
- Fast sampling rate: 3 or 5 times/s

All the models in this page share the same mold.

Specifications	Range	UT219E	UT219M	UT219DS
AC current (A)	600A	±(1.8%+6)	±(1.8%+6)	±(1.8%+6)
DC current (A)	600A 2000μA		±(0.9%+6)	±(0.9%+6)
AC voltage (V)	1000V	±(1%+6)	±(1%+6)	±(1%+6)
DC voltage (V)	1000V	±(0.6%+3)	±(0.6%+3)	±(0.6%+3)
LoZ ACV	600V	±(2.5%+6)	±(2.5%+6)	±(2.5%+6)
Resistance (Ω)	60MΩ	±(1%+3)	±(1%+3)	±(1%+3)
Capacitance (F)	60mF	±(4%+7)	±(4%+7)	±(4%+7)
Frequency (Hz)	10Hz~10MHz 600Hz~40MHz	±(0.1%+6)		±(0.1%+6)
Duty cycle	0.1%~99.9%	±(2.6%+7)		±(2.6%+7)
Temperature	-40°C~1000°C -40°F~1832°F		±(2%+5) ±(2%+9)	±(2%+5) ±(2%+9)
Display count		6000	6000	6000
Jaw opening		33mm	33mm	33mm
AC current frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~400Hz
AC voltage frequency response		40Hz~400Hz	40Hz~400Hz	40Hz~1kHz
3-phase motor sequence test			600V	600V
Low pass filter				1kHz, 3dB attenuation
V+A dual display				√
Diode test		12V	3V	3V
Measurement sampling rate		3 times/s	3 times/s	5 times/s
Analog bar sampling rate		10 times/s		20 times/s
Analog bar		31 segment		31 segment
Display interface (LCD)		Single	Single	Dual
Overvoltage category		CAT III 1000V, CAT IV 600V		



UT219DS



Characteristics

Standard accessories	Test leads, batteries, carrying bag, point contact temperature probe (UT219M/UT219DS), English manual (German, French, Spanish optional)
Power	1.5V battery (R03) x 3
Display	35 x 31mm
Product size	234.6 x 82 x 47mm
Product net weight	310g
Standard individual packing	Gift box, blister
Standard quantity per carton	10pcs
Standard carton measurement	490 x 295 x 330mm
Standard carton gross weight	UT219E: 8kg; UT219M/UT219DS: 8.2kg



UT220 SERIES

2000A Digital Clamp Meters



UT220 series are 2000A AC/DC digital clamp meters. This series ensures stable performance, safety, and reliability for measuring up to 2000A AC (and DC for UT221) current. It is designed with over-load protection for all ranges, perfect for all professionals measuring currents up to 2000A (2500A for UT222).

Features:

- True RMS test (UT221 & UT222)
- High current measurement
- Large Jaw size: 63mm
- Inrush current (UT221 & UT222)
- LPF function (UT221 & UT222)
- CAT III 1000V & CAT IV 600V



Characteristics	Range	UT220	UT221	UT222
AC current (A)	2000A 2500A	±(2.5%+5)	±(2.5%+5)	±(1.5%+5)
DC current (A)	2000A 2500A		±(2.5%+5)	±(1.5%+5)
AC voltage (V)	750V 1000V	±(1.2%+5)	±(1.2%+5)	±(1%+3)
DC voltage (V)	1000V	±(0.8%+1)	±(0.8%+1)	±(0.5%+2)
Resistance (Ω)	20MΩ 60MΩ 66MΩ	±(1%+2)	±(1%+2)	±(1%+2)
Capacitance (F)	60mF			±(3%+5)
Frequency (Hz)	20MHz 60MHz		±(0.1%+3)	±(0.1%+3)
Temperature	-40°C~1000°C -40°F~1832°F			±(1%+10) ±(1%+18)
Display count		2000	6000	6000
Jaw opening		63mm	63mm	63mm
True RMS			√	√
Duty cycle	10%~90%		√	√
AC+DC				√
Low pass filter			√	√
Inrush current			√	√
Relative mode			√	√
I-OUT function			√	√
Data storage				1000
Analog bar graph			66	61
Overvoltage category	CAT III 1000V, CAT IV 600V			



UT220



UT221

(UT221/UT222 share the same mold)

Characteristics	
Standard accessories	Test leads, output cable (UT221/UT222), thermocouple (UT222), English manual
Power	9V battery (6F22)
Display	43 x 30mm
Product size	298 x 107 x 47mm
Product net weight	UT220: 389g; UT221/UT222: 726g
Standard individual packing	Gift box, carrying bag (UT220), tool box (UT221/UT222)
Standard quantity per carton	UT220: 10pcs; UT221/UT222: 5pcs
Standard carton measurement	UT220: 640 x 305 x 175mm; UT221/UT222: 510 x 375 x 320mm
Standard carton gross weight	UT220: 7.52kg; UT221/UT222: 12.1kg





UT256 SERIES

True RMS Fork Meters

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DIGITAL CLAMP METERS

The UT256 series comprises highly reliable true RMS fork meters. Their innovative design enables users to measure current by positioning the wire within the 'fork' opening to the designated mark. Free of mechanical components, these meters eliminate the risk of mechanical failures.

Features:

- Fork design for current test
- True RMS measurement
- Audible & Visible alarm
- NCV function & Data hold
- APO/Backlight/Low battery indication



UT256

UT256A

UT256B

Characteristics	Range	UT256	UT256A	UT256B
AC current (A)	200A	60A: $\pm(2\%+5)$	$\pm(1.8\%+5)$	$\pm(2.5\%+5)$
DC current (A)	200A	60A: $\pm(2\%+5)$		$\pm(2.5\%+5)$
AC voltage (V)	750V 1000V		$\pm(1.2\%+3)$	$\pm(1.2\%+3)$
DC voltage (V)	1000V		$\pm(0.8\%+3)$	$\pm(0.8\%+3)$
Resistance (Ω)	60M Ω		$\pm(1\%+2)$	$\pm(1\%+2)$
Capacitance (F)	60mF			$\pm(4\%+20)$
Frequency (Hz)	10~10kHz		$\pm(0.1\%+5)$	
Display count			6000	6000
Diode test	About 3V			\checkmark
NCV		\checkmark	\checkmark	\checkmark
Zero mode		\checkmark		\checkmark
Relative mode		\checkmark		\checkmark
Overvoltage category	CAT II 1000V, CAT III 600V			

Characteristics	
Standard accessories	English manual, test leads, batteries
Power	UT256: AAA 1.5V x 2; UT256A/UT256B: 1.5V battery (LR6) x 2
Display	UT256: 32 x 15mm; UT256A: 35 x 26mm; UT256B: 36.5 x 24mm
Product size	UT256: 171 x 42 x 28mm; UT256A: 217 x 58.8 x 38.5mm; UT256B: 210 x 53 x 35mm
Product net weight	UT256: 120g (Including batteries); UT256A/UT256B: 248g(Including batteries)
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	UT256A/UT256B: 20pcs
Standard carton measurement	UT256A/UT256B: 485 x 310 x 205mm
Standard carton gross weight	UT256A/UT256B: 9.5kg



2117R

1000A Clamp Meter



2117R is a True RMS clamp meter which can measure AC 1000A current. The high frequency response range is suitable for multiple measuring applications. The CATII 1000V / CATIII 600V and CE certification make it safety and reliable. It is a ideal tool for electrical tool.

Features:

- Multifunction all in one
- True RMS measurement
- Auto range & NCV function
- Large current test: 1000A ACA
- APO & Low battery indication

Specifications		
Certificates	CE, UKCA	
AC current (A)	1000A	±(1.5%+4)
ACA Frequency (Hz)	20Hz~10kHz	±(1.0%+5)
AC voltage (V)	1000V	±(1.0%+2)
DC voltage (V)	1000V	±(0.7%+3)
Resistance (Ω)	60MΩ	±(0.8%+2)
Capacitance (F)	6mF	±(4%+5)
Display count	6000	
Jaw opening	33mm	
Overvoltage category	CAT III 600V/CATII 1000V	

Characteristics	
Standard accessories	Batteries, test leads
Power	1.5V battery (R03) x 2
Display	40 x 28mm
Product size	204 x 63 x 38mm
Standard individual packing	Gift box, Carrying bag, English manual



2117R





UT-CS06A

400A AC Current Clamp sensor

UT-CS06A 400A AC Current Clamp is a current entry-level sensor for AC Current measurement of multi-meter/data logger. It suits most UNIT multi-meters and features a small-sized and convenient-to-use design, which is an ideal tool to extend the current ranges for the Multi-meters.

Features:

- Compact design
- 400A ACA current test
- 1m drop protection
- No need battery
- CAT III 300V & CAT II 600V

Two connecting method



Connect through the "mV"



Connect through the "AC sensor"



Model	UT-CS06A
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Dimension	158 x 65 x 33mm
ACA Current	1-400A
Accuracy	±2.5%±0.5A@50-60Hz ±2.8%±0.5A@60-400Hz
Jaw opening	28mm
Output ratio	1mV/A
Wire length	1.1m
True RMS	depends on the Multi-meter
Response time	depends on the Multi-meter
Frequency	50Hz~400Hz
Waveform display	Adaptable oscilloscope
Accuracy	depends on the Multi-meter
Power supply	no need battery
Drop test	1m
Overvoltage category	CAT III 300V, CAT II 600V



UT-CS09D

Flex Clamp Sensor



UT-CS09D flex clamp sensor solves problems in measuring high current conductors in tight spaces. Its Rogowski coil based current sensor provides stable, safe, and high reliable measurements up to 3000A. This unique design and lightweight feature make it a great choice for professional electricians.

Features:

- Flex clamp design
- Wide current range: AC 3000A
- Multiple test range selectable
- 1m drop protection
- Equipped BNC adapter
- CAT IV 600V



UT-CS09D



BNC adapter

Specifications	Range
AC current (A)	30A/300A/3000A
Frequency response	45Hz~500Hz
Flex clamp size	45.7cm (18 inches)
Operating temperature	0°C~50°C
Storage temperature	-20°C~60°C
Storage humidity	≤80%RH
Low battery indication	About 3.3V
Category rating	CAT IV 600V

Characteristics	
Standard accessories	Batteries, BNC adapter, English manual
Power	1.5V battery (R03) x 3
Product size	267 x 119.4 x 34mm
Product net weight	260g
Standard individual packing	Blister
Standard quantity per carton	10pcs
Standard carton measurement	495 x 405 x 225mm
Standard carton gross weight	7kg



Renewable Energy Tools

Renewable energy is experiencing rapid acceleration, particularly in the solar market, with a new installation capacity of approximately 168GW by the end of 2021, accounting for about 55.63% of the overall energy growth. This trend is expected to continue at an increasingly rapid pace. In order to keep up with this expanding market, UNI-T offers a range of tools specifically designed for renewable energy, ensuring swift, safe, and efficient installation and maintenance of solar systems.



UT197PV

Digital Multimeter



The UT197PV is a true RMS digital multimeter tailored for precise high DC voltage measurements in solar systems. With power measurement features and the ability to endure 12kV impulse voltage, it is fortified with IP67 and 5-meter drop protection. Ideal for PV applications and diverse sectors like mining, making it a versatile tool for specialized industries.

Features:

- True RMS with 6000 display count
- Voltage test: DC 2500V+AC 1500V
- Power measurement
- Working temp.: -40°C to 55°C
- IP67 & 5m drop protection
- CAT III 1500V & CAT IV 1000V



Specifications		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Voltage (DCV)	600.0mV/6.000V/60.00V/600.0V/2500V	±(0.2%+5)
Voltage (ACV)	600.0mV/6.000V/60.00V/600.0V/1500V	±(0.5%+5)
LPF	600.0V/1500V	±(2.0%+5)
Loz (ACV/DCV)	600.0V/1500V	±(1.5%+5)
Resistance	600.0Ω/6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ/60.00MΩ	±(0.5%+5)
Capacitance	60.00nF/600.0nF/6.000μF/60.00μF/600.0μF/6.000mF/60.00mF	±(3.0%+5)
Frequency	99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz	±(0.02%+5)
Duty cycle	10%~90%	±(2.0%+30)
Temperature	-40°C~1000°C -40°F~1832°F	±(1.0%+15) ±(1.0%+30)
External clamp DCA	100A/1000A	±(0.8%+5)
External clamp ACA	100A/1000A	±(1.0%+5)
Active power	600.0kW/1500kW	±(3.0%+5)
Apparent power	600.0kVA/1500kVA	±(2.0%+5)
Reactive power	600.0kVAr/1500kVAr	±(5.0%+5)
Power (DC)	600.0kVA/2500kVA	±(2.0%+5)
Factor	-1~1	
Display count	6000	
Analog bar	33 segment	
True RMS	√	
Continuity	√	
Diode	V(3.2V)	
NCV	√	
Manual/Auto range	√	
REL.	√	
PEAK	√	
MAX/MIN	√	
Data hold	√	
High voltage alarm	√	
High voltage OL alarm	√	
Low battery indication	√	
Auto power off	√	
Multifunctional protection	√	
Bluetooth app	√	
Backlight	Auto backlight	
Drop protection	5m	
IP rating	IP67	
Overvoltage category	CAT IV 1000V & CAT III 1500V	

Characteristics	
Product dimension	220 x 104 x 67mm
Power supply	AA x 3

*Product is preliminary and subject to change pending final release information.





UT541

15KW Photovoltaic I-V Curve Analyzer

meters.uni-trend.com

RENEWABLE ENERGY TOOLS

The UT541 is crafted to assess solar panels, diagnose defects, and enhance efficiency during PV power plant installation, maintenance, and project acceptance. It streamlines professional tasks, effectively addressing on-site challenges for optimal results.

Features:

- I-V curve test: 15kW (with STC converting)
- Solar irradiance: 0~1300W/m²
- Working temp.: -40°C to 120°C
- Voltage measurement: AC/DC 1500V
- Current measurement: AC/DC 100A
- CAT III 1500V & CE/ETL



Specifications	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Product description	15kW Photovoltaic (PV) I-V Curve Tester
Voc/Vmpp @OPC	1500V/20A ±(0.5%+2)
Isc/Impp @OPC	0.10-20.00A ±(1%+2)
Pmax @OPC	15kW ±(1%)
Voc/Vmpp @STC	5.0 V to 1500 V
Isc/Impp @STC;	0.10-20.00A
Pmax @STC	50W-15kW ±5%
	Accuracy of duplicate Measurement ±2%
Solar Irradiance:	0-1300W/m ²
Temperature:	-40°C-120°C ±1°C
Continuity (grounding)	0.2Ω-2000Ω
Voltage test (Live)	AC/DC: 0.0V to 1500 V ±(2.5%+2)
Current test (Live); (External clamp)	AC/DC: 1.0A to 100.0A ±(5%+2)
Working power (AC/DC)	5W/VA to 100kW/kVA ±(7.5%VI+0.6V+0.2 I)
Diode	0.50V dc to 6.00V dc
SPD	0.0V to 1000V
Insulation resistance	0.05MΩ-999MΩ ±(5%+5) (1000V)
Fill factor	√
DPmax	√
Series & Parallel resistance	√
Voltage polarity	√
AC+DC auto identification	√
Solar Irradiance Meter configuration	Sensitivity; Lower limit value
Internal PV module database custom management	√(convert the I-V curve to STC conditions for comparison), with the optional accessory temperature or light meter
Communication interface	Bluetooth, USB
PV strings/Moduls parameter	50 set
Data storage	999 set (I-V curve)
Other features	1, APO; 2, LCD contrast; 3, Adjustable backlight; 4, Unit config; 5, Date & Time config
Dimension & Weight	250 x 122 x 125mm
Overvoltage category	CAT III 1500V

*Product is preliminary and subject to change pending final release information.



UT673PV

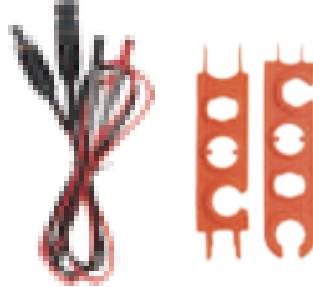
Solar MPPT Meter



The UT673PV solar MPPT meter tests solar panels for maximum power, voltage, current to find the abnormalities. With a large screen, automatic measurement, and portable design, it enhances efficiency for photovoltaic industry professionals and users.

Features:

- Large LCD with multiple readings
- Equipped with MC4 connector
- Equipped with MC4 wrench
- Portable and lightweight design
- No need battery



*Equipped with MC4 connector & Wrench



Specification	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Pmax	5~800W ±(1.0%+10)
Imp	0~35A ±(1.5%+5)
Vmp	12~60V ±(1.5%+5)
Voc	12~60V ±(1.5%+5)
Isc	0~35A ±(1.5%+5)
Display	Large LCD (52 x 66mm)
Reverse polarity connect protection	√
Over voltage protection	√
Over current protection	√
Over temperature protection	√
Over power protection	√
Manual MPPT test	√
Data hold	√
Power supply	No battery needed powered by solar panel.
Overcategory	CAT 0 100V

Characteristics	
Product color	Red + Black
Product size	143 x 74 x 25mm





UT503PV

PV Insulation Tester

meters.uni-trend.com

RENEWABLE ENERGY TOOLS

The UT503PV measures photovoltaic insulation resistance without requiring panel shutdown. It also features ordinary insulation resistance tests, auto AC/DC voltage test, stepping voltage, automatic discharge, and Bluetooth transmission. Commonly used for testing insulation in solar system, battery storage, and so on.

Features:

- IR test in PV system
- Portable and compact design
- Auto AC/DC voltage test
- Stepping voltage & Auto discharge
- Data communication: Bluetooth+USB
- CAT II 1000V & CAT III 600V



Output voltage	Insulation resistance	PV insulation resistance	Accuracy
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
125V	<1.51MΩ		For reference only
	1.51MΩ~100.0MΩ	N/A	±(1.5%+5)
	100.1MΩ~1000MΩ		±(5%+6)
250V	<1.51MΩ		For reference only
	1.51MΩ~200.0MΩ	N/A	±(1.5%+5)
	200.1MΩ~2000MΩ		±(5%+6)
500V	<1.51MΩ	<1.51MΩ	For reference only
	1.51MΩ~1000MΩ	1.51MΩ~1000MΩ	±(1.5%+5)
	1001MΩ~4000MΩ	1001MΩ~4000MΩ	±(5%+6)
1000V	<1.51MΩ	<1.51MΩ	For reference only
	1.51MΩ~1000MΩ	1.51MΩ~1000MΩ	±(1.5%+5)
	1001MΩ~4000MΩ	1001MΩ~4000MΩ	±(5%+6)
Voltage measurement	DC Voltage	5~1000V DC	±(1%+4)
	AC Voltage	5~600V AC	±(1%+4)
Short circuit current	IR measurement	<1.5mA	
	PV IR measurement	<1.2mA	

Download from
Apple Store or
Google Play!

By using the UNI-T Smart Measure App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.



Features	
Continue measurement (IR)	√(default setting)
Time measurement	√
Compare function(IR)	√
Stepping voltage	√
Auto discharge	√
Energized device test	IR measurement: DO NOT test if the DUT voltage is above 25V PV IR measurement: the DUT voltage should ≤ DC 1000V
High voltage alarm	√
Data storage	1000 set
Data communication	transmission via USB cable transmission via Bluetooth app
Product dimension	161(L) x 117.3(D) x 63(H)mm
IP	IP54 (with cap closed)
CAT rating	CAT II 1000V, CAT III 600V



Energized device test (DC 1000V; PV)

Characteristics	
Product color	Red + grey
Product weight	About 0.5KG (including battery)
Product size	161(L) x 117.3(D) x 63(H)mm
Standard package	Hard cloth bag + carton box
SPQ	2
Package size	360 x 230 x 290mm



UT219PV

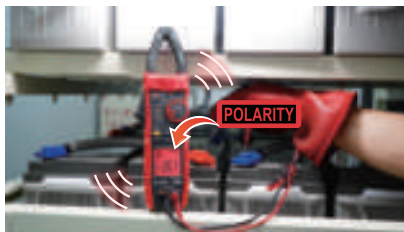
Professional AC/DC Clamp Meter-SOLAR



The UT219PV is an AC/DC clamp meter designed for PV systems, offering precision in measuring parameters like voltage, current, and resistance. It excels not only in solar applications but also in other high-voltage settings like energy storage systems, UPS, and large motors.

Features:

- Ultra-thin Jaw for solar system
- High-voltage measurement (AC/DC)
- Dual LCD display: V+A
- Audible & Visual alarm
- IP65 protection & CAT III 1500V
- Data communication: Bluetooth app



Specifications	Range	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Current (ACA)	999.9A	40Hz~100Hz:±(2.0%+5) 100Hz~1000Hz:±(2.5%+5)
Current (DCA)	999.9A	±(2.0%+5)
Voltage (ACV)	999.9V/1500V	40Hz~1000Hz: ±(1.0%+5)
Voltage (DCV)	999.9V/2500V	±(1.0%+5)
Voltage (DC mV)	999.9mV	±(1.0%+5)
ACV (with LPF)	999.9V	±(2.0%+9)
ACA (with LPF)	999.9A	±(2.5%+9)
ACA (with LPF): flex clamp sensor	30.00A/300.0A/3000A	±(4.0%+9) (center area)
ACA: with flex clamp sensor	30.00A/300.0A/3000A	±(3.0%+5) (center area)
Power (DC)	999.9 kVA/2500 kVA	±(2.0%+20)
Frequency (A&V)	5.0 Hz to 999.9Hz	±(0.5%+5)
Resistance (Ω)	999.9Ω/9.999KΩ/99.99kΩ	±(1.0%+5)
Capacitance (F)	100.0μF/1000μF	±(1.0%+5)
Temperature	-40°C~400°C/-40°F~752°F	±(1.0%+30); ±(1.0%+60)

Features

True RMS	√
Display count	9999
Display	LCD: Dual display (V+A)
Jaw (Max conductor dia.)	35mm
Diode	√
Solar panel polarity indication	when <-10 DCV, Audible & Visual alarm
Negative indication (DC)	Audible + Visual alarm
High voltage alarm	√
Over range indication	√
AUTO HOLD	√
Inrush current	√
PEAK	√
Bluetooth app	BT 5.0
Data storage	√
Flexible clamp compatible	UT-CS09D (optional)
IP rating	IP65
Overvoltage category	CAT III 1500V, CAT IV 600V

Characteristics

Power supply	AAA x 1
Product dimension	197 x 34.5 x 39.9mm
Product color	Grey + Red
Accessories	Test probe, temperature probe, batteries, manual

Download from Apple Store or Google Play!

By using the UNI-T Smart Measure App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.





UT196

Professional Multimeter - Solar Pro

meters.uni-trend.com

RENEWABLE ENERGY TOOLS

The UT196 True RMS solar digital multimeter is an ideal rugged tool for solar system maintenance, capable of measuring up to 1700V DC, 1500V AC. Featuring IP65 & 2m drop protection, a low-pass filter, and a low impedance mode, it ensures safe and efficient work in challenging conditions.

Features:

- DC voltage measurement: 1700V
- True RMS measurement (6000 count)
- Clamp sensor supported (current test)
- Low pass filter function
- IP65 & 2m drop protection
- CAT III 1000V & CAT IV 600V

Specifications	Range	
DC voltage (V)	1700V	±(0.2%+5)
AC voltage (V)	1500V	±(0.8%+3)
Frequency (Hz)	1MHz	±(0.08%+4)
Resistance (Ω)	60MΩ	±(0.8%+2)
Capacitance (F)	60mF	±(1.9%+5)

Features		
Display count		6000
Dual display		√
Auto range		√
NCV		√
Diode/Continuity test		√
Relative mode		√
Max/Min		√
Data hold/Peak		√
Low pass filter (LPF)		√
Audible and visual indication		√
Low battery indication	<7.5V	√
Optional flex clamp	3000A AC (UT-CS09D)	√
Analog bar graph		√
Auto power off	15minutes	√
Flashlight		√
IP rating		IP65
Drop test		2m
Safety rating		CAT III 1000V, CAT IV 600V

Characteristics	
Standard accessories	Test leads, batteries
Power	9V (6F22)
Product size	195 x 95 x 58mm
Product net weight	485g
Standard individual packing	Gift box, carrying bag, English manual
Standard quantity per carton	10pcs
Standard carton measurement	480 x 370 x 195mm



UT196



Electrical Installation and Cable Testers

Electricity is a double-edged sword. It can bring us convenience by powering our homes, or it could be a curse when it is unsafely handled. For example, the break down of electric motors, cables and household appliances by high voltage or environmental factors such as corrosion, sunlight, humidity and dust may affect insulation or earth ground protection. These events may result in economic and energy loss, human injury, or even lead to catastrophes. UNI-T helps to minimize these risks by providing accurate and safe meters for measuring insulation, earth ground resistance, RCD, and more.





UT572A Earth Resistance Tester

Earth Resistance Testers are standard tools for assessing the resistance of grounding systems. They are extensively used across various sectors, including electricity, telecommunications, meteorology, oil fields, construction, and industrial electrical equipment, to ensure the safety and efficiency of grounding systems.

Features:

- 2/3/4-wire method for Grounding resistance measurement;
- Soil resistivity & Grounding voltage measurement
- Strong anti interference
- Build in printer
- IP64 (with cap closed)
- 2600mAh lithium battery



Specifications		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Ground resistance range	0.00~20KΩ	
Ground resistance R (Two-three-four-wire method) (Range/Accuracy/Resolution)	0.00Ω~19.99Ω	±2%rdg±2dgt; 0.01Ω
	20.0Ω~199.9Ω	±2%rdg±2dgt; 0.1Ω
	200Ω~1999Ω	±2%rdg±2dgt; 1Ω
	2kΩ~20kΩ	±3%rdg±5dgt; 10Ω
Soil resistivity (ρ) Depends on the measurement accuracy of R (ρ=2πaR; a: 1m~100m; π=3.14)	0.00Ωm~99.99Ωm	0.01Ωm
	100.0Ωm~999.9Ωm	0.1Ωm
	1000Ωm~9999Ωm	1Ωm
	10.00kΩm~50.00kΩm	10Ωm
Ground disturbance voltage (V) 50Hz/60Hz	AC 0.0V~100.0V	±2%rdg±3dgt; 0.1V
Test frequency	1470Hz	±1Hz
Short circuit test current	AC 250.0mA MAX	
Open circuit test voltage	AC 40V MAX	
Function	Ground resistance, soil resistivity, ground voltage	
Measurement methods (Ground resistance)	Ground resistance 3/4-wire method	
	Soil resistivity (Wenner method)	
	Grounding voltage average value rectification method	
Measurement instructions	LED flashing indication during measurement; LCD countdown display	
Electrode spacing range	Up to 50m	
Backlight (LCD)	√ (5.3 inch LCD color; Controllable)	
Bluetooth	√	
USB	√	
Printer	√	
Other features	Data hold; 2000 set data storage; Over range protection; Auto range; Auto power off; Low battery indication	
Power supply	Lithium battery 12 V - 2600 mAh; 2000 cycles	
Working temperature and humidity	-10°C~55°C; ≤95% RH without condensation	
Storage temperature and humidity	-20°C~60°C; ≤95% RH without condensation	
IP rating	IP64 (cap closed)	
Overvoltage category	CAT III 300V, CAT IV 150V	
CE certification	√	

Characteristics	
Weight	3kg
Product dimension	320 x 275 x 145mm (L x W x H)
Accessories	1kg hammer; AC power adapter; 12V charging cable; USB cable; Standard resistance value 1Ω and 1kΩ; user manual; cloth bag; test lead; Auxiliary ground rod

*Product is preliminary and subject to change pending final release information.



UT586+

Digital RCD(ELCB) Tester



The UT586+ is an instrument crafted for verifying the functionality of single-phase and three-phase electrical leakage protection devices. It is equipped with capabilities to measure fault triggering times and the currents that initiate tripping. Adhering to the CAT III 600V safety rating, it finds broad application across residential, educational, power, manufacturing, metallurgical, and chemical sectors.



Features:

- Suited for single/three phase electrical system
- Triggler time & triggler current measurement
- Auto RAMP & Manual RAMP
- Line voltage & phase voltage measurement
- IP54 & CAT III 300V protection

Specifications

Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
		Rate current	Accuracy (current)	Accuracy (trigger time)
RCD test function	X1/2	10/20/30/100/300/500/1000mA	-10%~0%	0~2000mS: $\pm 0.6\%rdg \pm 4dgt$
	X1	10/20/30/100/300mA	0%~+10%	0~2000mS: $\pm 0.6\%rdg \pm 4dgt$
		500/1000mA	0%~+10%	0~200mS: $\pm 0.6\%rdg \pm 4dgt$
	X2	10~1000mA		0~200mS: $\pm 0.6\%rdg \pm 4dgt$
	X5	10/20/30/100/200mA	0%~+10%	0~200mS: $\pm 0.6\%rdg \pm 4dgt$
	AUTO	10/20/30/100/300/500mA	-10%~+10%	0~300mS: $\pm 0.6\%rdg \pm 4dgt$
Working voltage		100V~440V (Note: If > 450V, it will alarm and stop the RCD test)	50/60Hz	-15%~+10%
Voltage test	Voltage range	30~480V (Resolution: 1V)	45~65Hz	$\pm 3\%rdg \pm 3dgt$
Voltage test	L-PE	yes, display the L-PE input voltage; range: 30V~480V; No input and low voltage: 0V; if less than 30V: <30V; if more than 480V: >480V		
	Frequency	yes, display the L-PE input frequency;		
Voltage detection		yes		
Auto RAMP test		yes		
RCD Manual test		yes		
Backlight		Yes		
Low battery indication		yes		
Auto power off		After 10 minutes of no operation, it will automatically shut down.		
Working environment		0°C~40°C		
Storage environment		-20°C~60°C		
Power		8 x 1.5V AA		
IP rating		IP54		
Safety rating		IEC61010-031; IEC61557-1,6; CAT III 300V		

*Product is preliminary and subject to change pending final release information.





UT623A

Hand-held 100A Loop Resistance Tester



The UT623A 100A Hand-held Micro Ohmmeter is an indispensable tool for evaluating the integrity of switches and circuit breakers within power stations. It finds extensive application across a range of settings, including substations, power generation facilities, and industrial and mining operations.

Features:

- Hand held design for on-site test
- Wide test range: 0.1μΩ~1000.0mΩ
- Stepping output current of each 10A
- Data transmission: USB & BT
- Open circuit & overheat protection
- 5" color LCD

Specifications

Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
Resistance	100A	0.1μΩ~1999.9μΩ: 0.1μΩ	±(0.4%rdg+0.04%FS)
	50A	1.000mΩ~9.999mΩ: 0.001mΩ	
	30A	10.00mΩ~99.99mΩ: 0.01mΩ	
	10A	100.0mΩ~1000.0mΩ: 0.1mΩ	
Functions	1. To test the contact resistance of low/medium/high-voltage circuit breakers; 2. To test bus connections and other high-current connection points.		
Test method	Four-line Kelvin test;		
Test current	1. 5A~100A DC (R<2mΩ); 2. Stepping current: 5A/time;		
Test time (current output)	1S, 3S, 10S, 20S, 30S, 60S		
Test duration	1. 100A: the maximum continuous test up to 60 seconds, meeting the requirements of various field applications 2. 50A: the maximum continuous test up to 180 seconds, meeting the requirements of various field applications		
Resistance value comparison	Compare measured and set resistance values, automatically display "PASS" or "FAIL"		
Open circuit protection	√ (voltage: 2.5V DC)		
Overheating protection	√		
Output power	Measurement power ≤25W		
Data communication	USB & BT		
Display	LCD color screen with backlight & APO		
Data storage	200 sets		
Low battery indication	√		
Working environment	-20°C~+50°C; 5% -95% R.H., no condensation		
Storage environment	-40°C~+70°C		
Safety category	IEC 60068-2-27; IEC 60068-2-6; JIG 1052-2009;		

Characteristics

Power supply	DC 12.8V 10000mAh lithium battery
Standard accessories	4-wire test clip (red and black) 1pair; 1power adapter; 1pcs USB cable; 1pcs grounding wire
Product dimension	280 x 210 x 74mm

*Product is preliminary and subject to change pending final release information.



UT625A/B

100A/200A Loop Resistance Tester



The UT625A/B 100A/200A Micro Ohmmeter are adept at assessing the contact resistance across a spectrum of electrical components, including low/medium/high-voltage circuit breakers, bus connections, isolators, load break switches, and other junctions subject to substantial current. Commonly utilized in research and development, calibration of measuring instruments, quality assurance testing, as well as in laboratory and manufacturing environments.

Features:

- Desktop level with high accuracy
- Wide test range: UT625A: 0.1 $\mu\Omega$ ~1000.0m Ω
UT625B: 0.1 $\mu\Omega$ ~2000.0m Ω
- Stepping output current of each 10A
- Data transmission: USB & BT
- Open circuit & overheat protection
- Powered by 220V AC



UT625A



UT625B

Specifications	UT625A	UT625B	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
Resistance	100A	200A	0.1 $\mu\Omega$ ~2000.0 $\mu\Omega$: 0.1 $\mu\Omega$
	100A	100A	2.000m Ω ~10.000m Ω : 1 $\mu\Omega$
	50A	50A	10.00m Ω ~100.00m Ω : 10 $\mu\Omega$
	5A@100.0m Ω ~1000.0m Ω : 0.1m Ω	5A@100.0m Ω ~2000.0m Ω : 0.1m Ω	$\pm(0.4\%rdg+0.04\%FS)$
Functions	1. To test the contact resistance of low/medium/high-voltage circuit breakers; 2. To test bus connections and other high-current connection points.		
Test method	Four-line Kelvin test;		
Noise suppression	At 100 mV differential pressure, the noise frequency of the test lead is 50-60 Hz.		
Test current	1. 5A~100A DC (R<2m Ω); 2. Stepping current: 10A/time;	1. 5A~200A DC (R<2m Ω); 2. Stepping current: 10A/time;	
Test time (current output)	5S, 10S, 20S, 30S, 60S		
Test duration	1. 100A: the maximum continuous test up to 60 seconds, meeting the requirements of various field applications 2. 50A: the maximum continuous test up to 120 seconds, meeting the requirements of various field applications	1. 200A: the maximum continuous test up to 60seconds, meeting the requirements of various field applications 2. 100A: the maximum continuous test up to 120seconds, meeting the requirements of various field applications	
Resistance value comparison	Compare measured and set resistance values, automatically display "PASS" or "FAIL"		
Open circuit	√ (UT625A: 5V DC; UT625B: 10V DC)		
Overheating protection	√		
Output power	Measurement power \leq 250W		
Data communication	USB & BT		
Display	7" LCD color screen with backlight		
Data storage	200 sets	200 sets	
Working environment	-20°C~+50°C; <85% R.H., no condensation	-10°C~+50°C; <85% R.H., no condensation	
Storage environment	-30°C~60°C	-25°C~60°C	
Safety category	IEC61326-1; IEC61326-1; IEC61010;		

Characteristics

Power supply	220V AC
Standard accessories	4-wire test clip (red and black) 1 pair; 1 power adapter; 1pcs USB cable;
Product dimension	357 x 293 x 193mm

*Product is preliminary and subject to change pending final release information.



UT731

Milliamp Process Clamp Meter

meters.uni-trend.com

ELECTRICAL INSTALLATION AND CABLE TESTERS

The UT731 Milliampere Process Clamp Meter is designed for gauging the transmitter signals of process industry equipment and distributed control systems, which are commonly set at 4-20mA. This measurement facilitates the alignment of process variables with their real-world physical counterparts. Utilizing the UT731, diagnostics and maintenance of the loop signals can be executed seamlessly without the necessity of breaking the circuit or halting the system.

Features

- Tiny clamp design for process signal
- High resolution and accuracy: 0.001mA & 0.2%
- Reserved IoT communication serial port
- Backlight for clear display (different view angle)
- BT communication



Specifications		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Current(mA) range (DC; with clamp)	0mA~20.99mA	0.2%+5
	21mA~100mA	1%+5
4 to 20mA signal	0%~100%	
Data storage	9999	
PC/BT AP	App	
Flashlight	√	
Jaw size	6mm	
IP rating	IP40	
Overvoltage category		
Product dimension (meter)	151 x 78 x 44mm	
Product dimension (clamp)	119 x 42 x 20mm	

*Product is preliminary and subject to change pending final release information.



UT500 SERIES

Insulation Resistance Testers



UT500 Series insulation resistance testers are portable and compact, the output voltage are 1000V(UT502A: 2500V), they can measure the insulation resistance of the electrical cable, low power motor. some other on-site applications.

Features:

- 2000 count LCD display
- PI & DAR measurement
- Auto discharge
- AC voltage measurement
- Continuous & Low resistance
- Audible & Visible alarm



UT502A

All the models in this page share the same mold.

Test Voltage	Insulation resistance (Ω)	UT501A	UT501B	UT502A
100V	0M Ω ~100M Ω	$\pm(3\%+5)$		
250V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	
500V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$
1000V	0M Ω ~99.9M Ω 100M Ω ~5G Ω	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$	$\pm(3\%+5)$ $\pm(5\%+5)$
2500V	0M Ω ~99.9M Ω 100M Ω ~9.9G Ω 10G Ω ~20G Ω			$\pm(3\%+5)$ $\pm(5\%+5)$ $\pm(10\%+5)$
Test voltage accuracy	100V/250V/500V/1000V	0%~10%	0%~10%	0%~10%
Short-circuit current		<2mA	<2mA	<2mA
AC voltage (V)	30V~600V 30V~750V	$\pm(2\%+3)$	$\pm(2\%+3)$	$\pm(2\%+3)$
Display count		2000	2000	2000
DAR	60s/15s and 60s/30s		\checkmark	\checkmark
PI			\checkmark	\checkmark
Meets IEC 61557	61557-1:2007; 61557-2:2007; 61557-4:2007 (UT502A only)			
Overvoltage category	CAT III 600V			

Characteristics

Standard accessories	Batteries, test leads, alligator clips, elastic strap, test probes (UT502A), English manual
Power	1.5V battery (LR6) x 6
Display	70.6 x 34mm
Product size	150 x 100 x 71mm
Product net weight	500g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	500 x 380 x 330mm
Standard carton gross weight	UT501A: 17.7kg; UT501B: 20.9kg; UT502A: 18.9kg



UT501E

Fast Insulation Resistance Tester

The UT501E is a portable insulation resistance tester with compact design. Boasting rapid test, a comparison test feature, and a safety lock function to prevent errors, it significantly enhances the efficiency of electrical engineers. This tool stands as a convenient and essential asset in their toolkit.

Features:

- 2.5 times fast measurement
- Portable and compact design
- Rechargeable Lithium battery
- Auto discharge
- High voltage alarm

Specifications		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Insulation resistance	0~4GΩ	
	100V	1, (0.1~20M): ±(2%+6); 2, (20.1~200M): (±(5%+6)
	125V	1, (0.1~20M): ±(2%+6); 2, (20.1~200M): (±(5%+6)
	250V	1, (0.2~40M): ±(2%+6); 2, (40.1~500M): (±(5%+6)
	500V	1, (0.5~200M): ±(2%+6); 2, (200.1~2000M): (±(5%+6)
1000V	1, (1~1000M): ±(2%+6); 2, (1001~4000M): (±(5%+6)	
Rated current	1.0mA	
short circuit current	<2.0mA	
Low resistance measurement	0.00Ω~400Ω ±(2%+8)	
AC voltage	30V~600V ±(2%+3); 50Hz/60Hz	
DC voltage	30V~600V ±(2%+3)	

Features	
Display count (max)	4200
Fast measurement	√ (2.5 times faster insulation measurement)
DAR	√
PI	√
Compare function	√
Auto discharge	√
LoZ function	√
High voltage alarm	√
Manual range (IR)	√
Auto range (voltage)	√
Data storage	99 set
Overrange display	OL
Security lock	√
Remote testing	√
analog strip	√
IP rating	IP54
CAT rating	CAT III 600V
Other features	Backlight, Auto power off, Low battery indication

Characteristics	
Power supply	11.1V/2600mAh lithium battery
Product color	Black + Red
Product dimension	161 x 116 x 68mm



Lightning-Fast Insulation Resistance Measurement



Automatic Voltage Measurement



Auto Discharge for Safety



UT505 SERIES

Handheld Insulation Resistance Testers



The UT505 series, handheld true RMS insulation testers, combines multimeter functions with the ability to measure insulation resistance, PI, and DAR. It's ideal for assessing insulation in precision tools, motors, cables, transformers, switches, and electrical appliances.

Features:

- True RMS/Analog bar graph
- PI & DAR measurement
- Comparison & Auto discharge
- High voltage alarm
- Portable & compact design
- CAT IV 600V

All the models in this page share the same mold.

Specifications	Insulation resistance (Ω)	UT505A	UT505B
50V	0.01M Ω ~50M Ω	$\pm(3\%+5)$	$\pm(3\%+3)$
	50M Ω ~1G Ω		$\pm(3\%+3)$
	1G Ω ~10G Ω		$\pm(3\%+3)$
100V	0.01M Ω ~100M Ω	$\pm(3\%+5)$	$\pm(3\%+3)$
	100M Ω ~1G Ω		$\pm(3\%+3)$
	1G Ω ~20G Ω		$\pm(3\%+3)$
250V	0.01M Ω ~200M Ω	$\pm(1.5\%+5)$	$\pm(3\%+3)$
	200M Ω ~1G Ω		$\pm(3\%+3)$
	1G Ω ~50G Ω		$\pm(3\%+3)$
500V	0.01M Ω ~500M Ω	$\pm(1.5\%+5)$	$\pm(3\%+3)$
	500M Ω ~1G Ω		$\pm(3\%+3)$
	1G Ω ~100G Ω		$\pm(3\%+3)$
1000V	0.1M Ω ~2000M Ω	$\pm(1.5\%+5)$	$\pm(3\%+3)$
	2G Ω ~9.9G Ω	$\pm(10\%+3)$	$\pm(3\%+3)$
	10G Ω ~20G Ω	$\pm(20\%+10)$	$\pm(3\%+3)$
	20G Ω ~200G Ω		$\pm(3\%+3)$
Test voltage accuracy	50V/100V/250V/500V/1000V	0%~10%	0%~20%
Load current	1mA	0%~10%	0%~10%
Short circuit current		<2mA	<2mA
Leakage current (A)	10~2000 μ A		$\pm(10\%+3)$
Low resistance (Ω)	0.01 Ω ~20k Ω (about 5V/>200mA)	$\pm(1.5\%+3)$	
	0.01 Ω ~100 Ω (about 5V/>200mA/20mA optional)		$\pm(1.5\%+3)$
General resistance (Ω)	0.01k Ω ~10M Ω		$\pm(3\%+3)$
DC voltage (V)	0V~600V	$\pm(2\%+3)$	$\pm(2\%+3)$
AC voltage (V)	0V~600V	$\pm(2\%+3)$	$\pm(1.5\%+5)$
Frequency (Hz)	45~1kHz		$\pm(0.1\%+3)$
Capacitance (F)	100pF~500 μ F		$\pm(5\%+5)$
Display count	6000		
Overvoltage category	CAT IV 600V		



UT505A



Features

True RMS/analog bar graph	Continuity buzzer
DAR/PI timing measurement	99-group data storage
Comparison measurement	Step voltage
Auto fuse check (UT505B)	Auto range/auto power off
High voltage output alarm	LCD backlight/data hold
Auto discharge	Low battery indication

Characteristics

Standard accessories	Batteries, test leads, test probes, alligator clips, English manual
Optional accessory	Remote test lead
Power	1.5V battery (LR6) x 6
Display	78 x 59mm
Product size	103 x 225 x 59mm
Product net weight	630g
Standard individual packing	Carrying bag, gift box
Standard quantity per carton	5pcs
Standard carton measurement	325 x 320 x 205mm
Standard carton gross weight	UT505A: 5.5kg; UT505B: 6.3kg





UT510 SERIES

Insulation Resistance Testers

The UT510 series testers can measure the insulation resistance of large transformers, generators, and high-voltage motors, among others. They also assess key parameters like PI and DAR. The data measured can be analyzed using PC software. The UT513A model is capable of generating test voltages up to 5kV.

Features:

- High output voltage
- PI & DAR measurement
- High voltage indication
- Analog bar graph: 30
- Comparison measurement
- CAT III 600V & CAT II 1000V

All the models in this page share the same mold.

Test Voltage	Insulation resistance (Ω)	UT511	UT512	UT513A
100V	0.1MΩ~500MΩ	±(3%+5)		
250V	0.5MΩ~2GΩ	±(3%+5)		
500V	1MΩ~4GΩ	±(5%+5)		
	0.5MΩ~5GΩ	±(5%+5)	±(5%+5)	
1000V	0.5MΩ~20GΩ			±(5%+5)
	2MΩ~10GΩ	±(5%+5)	±(5%+5)	
1500V	1MΩ~40GΩ			±(10%+5)
	5MΩ~20GΩ		±(5%+5)	
2500V	2.5MΩ~100GΩ			±(10%+5)
	10MΩ~100GΩ		±(10%+5)	
5000V	5MΩ~1000GΩ			±(20%+5)
DC voltage (V)	1000V	±(2%+3)		
	600V		±(2%+5)	±(2%+3)
AC voltage (V)	750V	±(2%+3)		
	600V		±(2%+5)	±(2%+3)
Test voltage accuracy		0%~10%	0%~20%	0%~20%
Short-circuit current		<2mA	<1.8mA	>3mA
Low resistance (Ω)	0.1Ω~999.9Ω	±(1%+3)		
Test voltage secondary display				√
USB interface			√	√
Timing measurement	Around 30 minutes	√		
	Around 15 minutes		√	√
IEC 61557	UT513A: 61557-1:2007; 61557-2:2007			
Overvoltage category	CAT III 600V; CAT II 1000V (UT511 only)			
Power	1.5V battery (LR14) x 8			



UT513A



Characteristics	
Standard accessories	2pcs of one plug test leads to one alligator clip (black and green), 1pcs of two plugs test lead to one alligator clip (red), batteries, USB cable (UT512/UT513A), power adaptor (UT512/UT513A), English manual
Optional accessories	Power adaptor (UT511)
Display	123 x 58mm
Product size	202 x 155 x 94mm
Product net weight	500g
Standard individual packing	Gift box, tool box
Standard quantity per carton	4pcs
Standard carton measurement	505 x 345 x 345mm
Standard carton gross weight	UT511: 13.4kg; UT512: 15.9kg; UT513A: 18.9kg



UT512D/UT512E

2.5kV Insulation Resistance Testers



UT512D/UT512E are digital high-voltage insulation resistance testers, designed with multiple ranges(250V to 2500V). It is an ideal measurement meter for electric power, telecommunication, meteorology, electromechanical installation and maintenance, and power supply department of Industry and mining enterprises.

Features:

- High output voltage: up to 2500V
- PI & DAR measurement
- Comparison measurement
- Timing measurement
- Data Storage: 999 sets
- CAT IV 600



UT512E

All the models in this page share the same mold.

Rated voltage	UT512D	UT512E	Accuracy
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
250V	<0.25MΩ	<0.25MΩ	reference only
	0.25MΩ~4.99GΩ	0.25MΩ~4.99GΩ	±(5%+5)
	5.00GΩ~24.9GΩ	5.00GΩ~49.9GΩ	±(20%+10)
	25.0GΩ~100GΩ	50.0GΩ~250GΩ	reference only
500V	<0.50MΩ	<0.50MΩ	reference only
	0.50MΩ~9.99GΩ	0.50MΩ~9.99GΩ	±(5%+5)
	10.0GΩ~49.9GΩ	10.0GΩ~99.9GΩ	±(20%+10)
	50.0GΩ~200GΩ	100GΩ~500GΩ	reference only
1000V	<1.00MΩ	<1.00MΩ	reference only
	1.00MΩ~19.9GΩ	1.00MΩ~19.9GΩ	±(5%+5)
	20.0GΩ~99.9GΩ	20.0GΩ~199GΩ	±(20%+10)
	100GΩ~400GΩ	200GΩ~1.00TΩ	reference only
2500V	<2.50MΩ	<2.50MΩ	reference only
	2.50MΩ~49.9GΩ	2.50MΩ~49.9GΩ	±(5%+5)
	50.0GΩ~249GΩ	50.0GΩ~499GΩ	±(20%+10)
	250GΩ~1.00TΩ	500GΩ~2.50TΩ	reference only
Capacitance test	NA	0.01uF~2.0uF	±(15%+3)
Low resistor test	NA	0.1Ω~600Ω	±(2%+10)
Output voltage (Rating)	stepping voltage range		Step by 10% of each range each time, and adjust the voltage range to 50%~120% of each range; Display accuracy: ±(10% read+10V) Output accuracy: ±(0%~20%)
250V	350V, 275V, 300V		
500V	300V, 350V, 400V, 450V, 500V, 550V, 600V		
1000V	500V, 600V, 700V, 800V, 900V, 1000V, 1100V, 1200V		
2500V	1250V, 1500V, 1750V, 2000V, 2250V, 2500V		
DC voltage	30~1000VDC		±(3%+5)
AC voltage	30~750VAC 50Hz/60Hz		±(3%+5)
Current	0.01nA~3.5mA	0.01nA~5mA	
Short-circuit current	about 3.5mA	about 5mA	

General Characteristics

Power supply	8 x LR14 Alkaline battery 14.8V,5200mAh lithium battery	UT512D UT512E
Product color	Black+Red	
Product weight	About 1800g (including battery)	
Accessories	User manual 1 pc; Test lead (red, black, green: 1 for each) 3 pcs; USB cable 1 pc; Lithium battery charger (Output: 16.8Vdc, 2A) 1 pc (UT512E only); Lithium battery pack (14.8V, 5200mAh) 1 pc (UT512E only); Adapting charging stand (optional, model: UT-W12, for UT512E only); 8 PCS LR14 alkaline batteries (UT512D); Carrying strap 1pc	
Standard package	case + carton	
Package quantity	1pcs	
Package size	238 x 166 x 90.5mm (L x W x D)	





UT513B/UT513C

5kV Insulation Resistance Testers

UT513B/UT513C are digital high-voltage insulation resistance testers, designed with multiple ranges(250V to 5000V). It is an ideal measurement meter for electric power, telecommunication, meteorology, electromechanical installation and maintenance, and power supply department of Industry and mining enterprises.

Features:

- High output voltage: up to 5000V
- PI & DAR measurement
- Comparison measurement
- Timing measurement
- Anti-Misplug protection
- CAT IV 600



UT513B

All the models in this page share the same mold.

Rated voltage	UT513B	UT513C
250V	<0.25MΩ: reference only	<0.25MΩ: reference only
	0.25MΩ~2.49GΩ: ±(5%+5)	0.25MΩ~4.99GΩ: ±(5%+5)
	2.50GΩ~24.9GΩ: ±(10%+10)	5.00GΩ~49.9GΩ: ±(10%+10)
	25.0GΩ~100GΩ: reference only	50.0GΩ~250GΩ: reference only
500V	<0.50MΩ: reference only	<0.50MΩ: reference only
	0.50MΩ~4.99GΩ: ±(5%+5)	0.50MΩ~4.99GΩ: ±(5%+5)
	5.00GΩ~49.9GΩ: ±(10%+10)	5.00GΩ~99.9GΩ: ±(10%+10)
	50.0GΩ~200GΩ: reference only	100GΩ~500GΩ: reference only
1000V	<1.00MΩ: reference only	<1.00MΩ: reference only
	1.00MΩ~9.99GΩ: ±(5%+5)	1.00MΩ~9.99GΩ: ±(5%+5)
	10.0GΩ~99.9GΩ: ±(10%+10)	10.0GΩ~199GΩ: ±(10%+10)
	100GΩ~400GΩ: reference only	200GΩ~1.00TΩ: reference only
2500V	<2.50MΩ: reference only	<2.50MΩ: reference only
	2.50MΩ~24.9GΩ: ±(5%+5)	2.50MΩ~24.9GΩ: ±(5%+5)
	25.0GΩ~249GΩ: ±(15%+10)	25.0GΩ~499GΩ: ±(15%+10)
	250GΩ~1.00TΩ: reference only	500GΩ~2.50TΩ: reference only
5000V	<5.00MΩ: reference only	<5.00MΩ: reference only
	5.00MΩ~49.9GΩ: ±(5%+5)	5.00MΩ~49.9GΩ: ±(5%+5)
	50.0GΩ~499GΩ: ±(15%+20)	50.0GΩ~999GΩ: ±(15%+20)
	500GΩ~2.00TΩ: reference only	1.00TΩ~5.00TΩ: reference only
Capacitance test	NA	0.01uF~15.0uF
Output voltage	stepping voltage range	
250V	250V, 275V, 300V	
500V	250V, 300V, 350V, 400V, 450V, 500V, 550V, 600V	
1000V	500V, 600V, 700V, 800V, 900V, 1000V, 1100V, 1200V	
2500V	1250V, 1500V, 1750V, 2000V, 2250V, 2500V, 2750V, 3000V	
5000V	2500V, 3000V, 3500V, 4000V, 4500V, 5000V	
DC voltage	30~1000VDC: ±(3%+5)	
AC voltage	30~750VAC(50Hz/60Hz): ±(3%+5)	
Current	0.01nA~3.5mA	0.01nA~5.0mA
Short-circuit current	about 3.5mA	about 5.0mA

General Characteristics	
Power supply	14.8V, 5200mAh lithium battery
Product color	Black+Red
Product weight	About 1800g (including battery)
Product dimension	238 x 166 x 90.5mm (L x W x D)
Package quantity	1pcs
Package size	415 x 155 x 370mm (L x W x D)
Accessories	User manual 1pcs; Test lead (red, black, green, 1 for each) 3pcs; USB cable 1pcs; Lithium battery charger 1pcs; Lithium battery pack 1pcs; Adapting charging stand(optional); Carrying strap 1pcs;



UT516B

12kV Insulation Resistance Tester

The UT516B is a versatile digital tester with up to 12kV settings, adjustable in 10% steps. It facilitates USB data transfer and is ideal for power equipment and insulation maintenance.

Features:

- High output voltage: 12KV
- PI & DAR measurement
- Comparison & Auto discharge
- PC software analysis (USB cable)
- AC/DC voltage measurement
- CAT III 600V

	Test Voltage	Range	Accuracy
Insulation Resistance Measurement	500V	0.50MΩ~4.99G	±(5%+5)
		5.00G~49.9GΩ	±(10%+10)
		50.0GΩ~500GΩ	for reference only
	1000V	1.00MΩ~9.99GΩ	±(5%+5)
		10.0G~99.9GΩ	±(15%+10)
	2500V	100GΩ~1000GΩ	for reference only
		2.50MΩ~24.9GΩ	±(5%+5)
5000V	25.0G~249GΩ	±(15%+10)	
	250GΩ~2.5TΩ	for reference only	
10000V	5.00MΩ~49.9GΩ	±(5%+5)	
	50G~499GΩ	±(15%+20)	
	500GΩ~5.0TΩ	for reference only	
12000V	10.0MΩ~99.9GΩ	±(10%+10)	
	100G~999GΩ	±(20%+20)	
	1000GΩ~10TΩ	for reference only	
Output voltage		500V, 1000V, 2500V, 5000V 10000V, 12000V	0~+10% -5~+10%
Load current	500V, 1000V, 2500V, 5000V 10000V, 12000V	1mA 0.15~1.2mA	0%~+20% 0%~+20%
DC voltage measurement	30V~1000V		±(3%+5)
AC voltage measurement	30V~750V (50~60Hz)		±(3%+5)
PC software for data analysis	v		
Backlight Function	v		
Data storage	999 sets of data		
Dielectric Absorption Ratio (DAR)	0.00~999		
Polarization Index (PI)	0.00~999		



UT516B

Characteristics	
Standard accessories	User manual, test leads (red/black/green 1 each), USB cable, power adaptor, 1.5V alkaline batteries
Power	1.5V alkaline batteries (LR14) X 10, power adapter
Display	71 x 34mm
Product size	410 x 342 x 204mm
Product net weight	6.6kg
Standard individual packing	Gift box, tool box
Standard quantity per carton	1pc
Standard carton measurement	510 x 320 x 420mm
Standard carton gross weight	10.2kg





UT520 SERIES

Digital Earth Testers

meters.uni-trend.com

ELECTRICAL INSTALLATION AND CABLE TESTERS

The UT520 series offers precise 3-wire and 2-wire earth resistance measurements for power and electrical systems, lightning protection equipment, and the grounding systems of all electrical equipment. As UNI-T's entry-level earth resistance tester, it boasts high economic value and a lightweight design, making it convenient for field use.

Features:

- Double insulation protection
- 2/3-wire testing
- Portable & compact design
- LCD backlight & OL indication
- Manual range & Data hold
- CAT III 600V



UT522

All the models in this page share the same mold.

Specifications	Range	UT521	UT522
Earth resistance (Ω)	0~20 Ω	$\pm(2\%+10)$	
	0~200 Ω	$\pm(2\%+3)$	
	0~2000 Ω	$\pm(2\%+3)$	
	0~40 Ω		$\pm(2\%+20)$
	0~400 Ω		$\pm(2\%+3)$
	0~4000 Ω		$\pm(2\%+3)$
AC earth voltage (V)	0~200V	$\pm(1\%+4)$	
	0~400V		$\pm(1\%+6)$
	Frequency: 50Hz/60Hz	\checkmark	\checkmark
Display count		2000	4000
Data storage		20	20
Overvoltage category	CAT III 600V		



Characteristics	
Standard accessories	Batteries, simple test leads with alligator clips, standard test leads with alligator clips, earth spike, elastic strap, English manual
Power	1.5V battery (LR6) x 6
Display	70.6 x 34mm
Product size	160 x 100 x 70.5mm
Product net weight	560g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	8pcs
Standard carton measurement	530 x 300 x 350mm
Standard carton gross weight	19kg



UT526

Multifunction Electrical Meter



UT526

UT526 is a versatile electrical installation tester capable of testing insulation resistance, RCD status, low resistance continuity, and voltage. It is also suitable for assessing power distribution systems, lightning protection systems, and wiring to ensure safe operations.

Features:

- Multifunctions all in one
- IR testing (output voltage: 1000V)
- RCD test: single phase (220ACA system)
- AC/DC voltage test: 400V
- Phase sequency test
- CAT III 600V

Specifications	Range	UT526
Test voltages	Insulation resistance (Ω)	
250V	0.05M Ω ~200M Ω	$\pm(5\%+5)$
500V	0.05M Ω ~300M Ω	$\pm(5\%+5)$
1000V	0.05M Ω ~500M Ω	$\pm(5\%+5)$
Load current	1mA	$\pm 10\%$
Short circuit current	<2mA	\checkmark
RCD		
Operating voltage (Freq.)	220V (45Hz~65Hz)	$\pm 10\%$
Test current	10mA/30mA/100mA/300mA	0~20%
Trip time	0ms~2000ms (10mA)	$\pm(5\%+2)$
	0ms~500ms (30mA)	$\pm(5\%+2)$
	0ms~300ms (100mA, 300mA)	$\pm(5\%+2)$
Low resistance continuity	Range: 0 Ω ~2000 Ω	$\pm(2\%+5)$
	Test voltage: around 5V	\checkmark
	Test current: >200mA (R<2 Ω)	\checkmark
AC/DC Voltage measurement	0~440V	$\pm(5\%+2)$
Frequency measurement	20~100Hz (for reference only)	\checkmark
Display count		10000
Manual range		\checkmark
Phase switch (RCD)	0°and 180°	\checkmark
Low battery indication		\checkmark
Auto AC voltage identification		\checkmark
Auto DC voltage identification		\checkmark
Red warning lights		\checkmark
Overvoltage category	CAT III 600V	

Characteristics	
Standard accessories	Batteries, carrying bag, elastic strap, test leads, alligator clips, test line, English manual
Power	1.5V battery (LR6) x 6
Display	71 x 34mm
Product size	160 x 100 x 71mm
Product net weight	380g
Standard individual packing	Gift box
Standard quantity per carton	10pcs
Standard carton measurement	445 x 440 x 180mm
Standard carton gross weight	12.8kg





UT572

Advanced Earth Resistance Tester

UT572 measures earth resistance and soil resistivity, {automatically verifying} interface connections and {detecting} interference voltage and frequency. It supports 2/3/4-wire measurements for various on-site applications, including power equipment and lightning protection systems.

Features:

- 2/3/4-wire measurement
- Earth resistance & Soil resistivity test
- Compensating resistance RK test
- Backlight & Low battery indication
- Data hold & APO
- CAT III 600V



UT572

Specifications	Range	Accuracy
Earth resistance (Re)	4Ω	±(3%+15)
	40Ω/400Ω/4kΩ/40kΩ	±(3%+5)
Soil resistivity (ρ)	4Ω	±(3%+15)
	40Ω/400Ω/4kΩ/40kΩ	±(3%+5)
Disturbance voltage (Ust)	50V (DC voltage/40Hz~500Hz)	±(3%+3)
Disturbance frequency (Fst)	40Hz~500Hz	±(1%+2)
Data storage	20	
Overvoltage category	CAT III 600V	

Characteristics	
Standard accessories	Batteries, simple test leads with alligator clips (double plugs x 1, single plug x 1), earth spike x 4, standard test leads with alligator clips (40m red x 1, 20m red x 1, 20m black x 1, 10m yellow x 1, 5m green x 1), elastic strap
Optional accessories	1.5V battery (LR6) x 8
Display	125 x 37mm
Product size	210 x 175 x 90 mm
Product net weight	1.1kg
Standard individual packing	Gift box, carrying bag, toolbox, English manual
Standard quantity per carton	2pcs
Standard carton measurement	475 x 378 x 335mm
Standard carton gross weight	14kg



UT582+

Digital RCD (ELCB) Tester



UT582+ is primarily used to verify if the RCD in the circuit can be activated normally. It is designed for single-phase circuits with a operating voltage range of 195V to 253V. The voltage test range is 30V to 600V, and the frequency test range is 45Hz to 65Hz.

Features:

- Portable & Compact design
- Disconnect & Mis-operation alarm
- Protect fuses for safety operation
- Auto ramp measurement
- Data hold & APO
- CAT III 600V



UT582+

Range setting	Rated operating current	Trip time	Accuracy
X 1/2	10mA/20mA/30mA/100mA/300mA/500mA	2000ms	-10%~0%
X 1	10mA/20mA/30mA/100mA/300mA	1000ms	0%~10%
	500mA	300ms	0%~10%
X 5	10mA/20mA/30mA	40ms	0%~10%
Auto ramp	10mA/20mA/30mA/100mA/300mA/500mA	300ms	-10%~10%
Trip time accuracy	±(2%+2)		
Operating voltage (Freq.)	195V~253V		
Voltage measurement			
Voltage range	30~600V		
Frequency	45Hz~65Hz		
Resolution	1V		
Accuracy	±(3%+3)		
Display count	1000		
Low battery indication	<7.2V		
APO auto power off	√		
Phase angle selection	0° and 180°		
Connections check	Simultaneously test the trip time and trip current		
Compliance standards	IEC 61010-1, IEC 61010-2-030, IEC 61010-2-033, IEC 61557-1:2007; IEC 61557-6:2007, EN61326-1, EN61326-2-2		
Lead sequence check	LCD		
Overvoltage category	CAT III 600V		

Characteristics	
Standard accessories	Test leads, elastic strap, English manual
Power	1.5V battery (LR6) x 6
Display	71 x 34mm
Product size	160 x 100 x 71mm
Product net weight	400g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	5pcs
Standard carton measurement	425 x 280 x 180mm
Standard carton gross weight	4.9kg





UT600 SERIES

Inductance Capacitance Meters

The UT600 series of digital inductance and capacitance meters are designed to test resistors, capacitors, and inductors, as well as to measure transistor parameters. These versatile meters are suitable for inspecting electronic components in various settings, including laboratories, production lines, maintenance workshops, and educational institutions.

Features:

- Resistance & Capacitance test
- Inductance test (2mH to 20H; UT603)
- Multi-functions all in one
- Continuity & Diode test
- Low battery indication
- Manual range



UT601



UT603

Specifications	Range	UT601	UT603
Resistance (Ω)	20 Ω /200 Ω /2k Ω /20k Ω /200k Ω /2M Ω /20M Ω /200M Ω /2000M Ω 200 Ω /2k Ω /20k Ω /200k Ω /2M Ω /20M Ω	$\pm(0.8\%+1)$	$\pm(0.8\%+1)$
Capacitance (F)	200pF/2nF/20nF/200nF/2 μ F/20 μ F/200 μ F/2mF/20mF 2nF/20nF/200nF/2 μ F/20 μ F/200 μ F/600 μ F	$\pm(0.5\%+10)$	$\pm(1\%+5)$
Inductance (H)	2mH/20mH/200mH/2H/20H		$\pm(2\%+8)$
Display count		2000	2000

Characteristics	
Standard accessories	Battery, test leads with alligator clips, holster, English manual
Power	9V battery (6F22)
Display	61 x 32 mm
Product size	172 x 83 x 38mm
Product net weight	UT601: 310g, UT603: 312g
Standard individual packing	Gift box
Standard quantity per carton	20pcs
Standard carton measurement	450 x 330 x 340mm (0.099CBM per standard carton)
Standard carton gross weight	9.6kg



UT612

LCR Meter



The UT612 LCR meter measures inductance, capacitance, and resistance, offering advanced features like series/parallel modes, Q-factor, loss, phase angle, and DC resistance measurements. It's ideal for production, component testing, and electronics maintenance.

Features:

- Deviation ratio measurement
- Comparison function
- Calibration function
- Auto LCR check and test
- USB interface for data transmission
- Data hold & Relative mode



UT612

Specifications	Range	Accuracy
Inductance (H)	20uH~2000H	±(0.5%+5)
Capacitance (F)	200pF~20mF	±(0.5%+5)
Resistance (Ω)	20Ω~200MΩ	±(0.3%+5)
Test frequency (Hz)	100Hz/120Hz/1kHz/10kHz/100kHz	
Operating voltage	0.6Vrms	
Test parameters	L/C/R/DCR/Q/D/θ/ESR	
Display count	20000	
D/Q display count	2000	
D/Q resolution	0.001	
Auto range	√	
Test frequency real-time display	√	
Measurement mode	Series/Parallel	
PC data records	60000	
Analog bar graph	26	

Characteristics	
Standard accessories	Battery, SMD test clamp, USB interface cable, multi-purpose socket, English manual
Optional accessories	USB power adaptor
Power	9V battery (6F22) or USB
Display	40 x 63mm
Product size	96 x 193 x 47mm
Product net weight	374g
Standard individual packing	Gift box
Standard quantity per carton	10pcs
Standard carton measurement	370 x 305 x 475mm
Standard carton gross weight	13.2kg



UT620A

Digital Micro Ohm Meter

The UT620A, the digital low resistance tester with 4-wire method, It's designed for on-site troubleshooting in confined spaces, including testing metal coating resistance, motor and small transformer winding resistance, welding points, power distribution cabinet buses, lead connections, and more.

Features:

- 4-wire method measurement
- Up to DC 5A output current (sourcing)
- Comparison test with high/low limit
- Electrical wire length measurement
- Built-in rechargeable lithium battery
- 1000 data storage & USB data transmit

Specifications	Range	Accuracy
Resolution	10uΩ	
Resistance (Ω)	120mΩ/5A	±(0.25%+25)
	600mΩ/1A	±(0.25%+25)
	6Ω/100mA	±(0.25%+25)
	60Ω/10mA	±(0.25%+25)
	600Ω/1mA	±(0.25%+25)
	6kΩ/100uA	±(0.75%+30)
	Measurement range (accuracy)	0~1mΩ
Display count	60000	
Data storage	1000	



UT620A



Characteristics	
Standard accessories	Test leads with Kelvin clips, power cord, power adaptor, USB interface cable, English manual
Optional accessories	Four-wire test probes (red & black) x 1
Power	Li-ion battery 7.4V 4000mAh
Display	116 x 87.5mm
Product size	268 x 168 x 60mm
Product net weight	1.5kg
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	1pcs
Standard carton measurement	370 x 90 x 290mm
Standard carton gross weight	3kg



UT620C+

Micro-ohmmeter



The UT620C+ micro-ohmmeter accurately measures a wide resistance range, ideal for testing large equipment like motors and stators. It is widely used in various industries including telecommunications, power systems, new energy vehicles, and petrochemicals.

Features:

- Micro-ohm measurement(1μΩ)
- Portable and compact design
- PC software analysis
- Rechargeable Lithium battery
- Large LCD
- Equipped with 4-wire test leads

Rated voltage		
Resistance range	100.0kΩ~300.0kΩ/3uA	100Ω
	10.00kΩ~99.99kΩ/1uA	10Ω
	1.000kΩ~9.999kΩ/10uA	1Ω
	100.0Ω~999.9Ω/100uA	0.1Ω
	10.00Ω~99.99Ω/1mA	0.01Ω
	1.000Ω~9.999Ω/10mA	0.001Ω
	100.0mΩ~999.9mΩ/100mA	0.1mΩ
	0.001mΩ~100.00mΩ/1A	0.01mΩ/0.001mΩ

Features	
Functions	Measuring the resistance of all kinds of wires, switches, connectors, contactors, fuses, coils, transformer windings, metal riveting, and so on.
Measurement methods	Four-wire method
Test current	≥1A
Open circuit voltage	≤4.2V
Input protection	≤36V AC/DC
Power consumption	measurement power: ≤8W
Measuring speed	about 2times/seconds
Automatic power off	15 minutes if no operation
Pressure resistance	AC 3700V/rms
Storage	499 set
Display type	segment LCD
USB ingerface	Type C
Backlight	√
Low battery indication	√
IP rating	IP54

Characteristics	
Power supply	DC 3.7V 2600mAh lithium battery
Product color	Black + Red
Product weight	480g (battery included)
Product dimension	161 x 117 x 68mm



Rechargeable Lithium battery



Auto range





UT681 SERIES

Cable Testers

The UT681 series testers are advanced cable meters for Ethernet (RJ45), telephone (RJ11), BNC, and HDMI cables. They swiftly identify faults like shorts and open circuits, ensuring precise wire status checks. Ideal for communications and electronics setup and maintenance.

Features:

- Visible LED indication: individual channel
- Auto test: open circuit/short circuit/cable crossing
- Single button design
- Auto/Manual power off
- Low battery indication
- Powered by 9V battery



UT681L



UT681C



UT681HDMI

Specifications	Description	UT681L	UT681C	UT681HDMI
To test for: RJ45/RJ11		√		
To test for: RJ45/RJ11/BNC	Need to use RJ45 to BNC adaptor		√	
To test for: HDMI/MINI-HDMI				√
Fast test mode	LED1~LED8, LED_G	√	√	
Slow test mode	LED1~LED8, LED_G	√	√	
Scan test mode	LED1~LED19, LED_S			√
Full display test mode	LED1~LED19, LED_S			√
To test for the case of short circuit, crossover, open circuit, etc.		√	√	√
Ethernet cable: shielded/ unshielded test		√	√	√
Manual shutdown function		√	√	√
Auto shutdown function	No operation within 10 minutes	√	√	√
Single key operation		√	√	√
Power supply: 9V battery		√	√	√
Low battery detection	Less than 7.2V	√	√	√
Safety standard	EN61326-1: 2013; EN61326-2-2: 2013	√	√	√

Characteristics	
Standard accessories	9V battery, BNC to RJ45 adaptor (UT681C), English manual
Product size	Transmitter: 102 x 62 x 28mm; receiver: 102 x 37 x 28mm
Product net weight	Transmitter: 87g; receiver: 51g
Standard individual packing	Gift box
Standard quantity per carton	40pcs
Standard carton measurement	455 x 410 x 225mm
Standard carton gross weight	UT681L: 6.4kg; UT681C: 8.7kg; UT681HDMI: 9.5kg



UT682 SERIES

Wire Tracker/Tone and Probe



UT682 wire tracker, comprising a transmitter and a receiver, can track Ethernet/telephone cables without the need to break their insulation. It is adept at troubleshooting Ethernet cables and is a recommended tool for debugging communication cables and audio/video/electrical cables.

Features:

- Visible LED indication
- Multiple scenarios: cable test/scanning
- Polarity indication for telephone lines
- Telephone line distance tracking: $\geq 3000\text{m}$
- Adjustable audio volume

Specifications	UT682	UT682D
LAN cable/telephone line/coaxial cable/electric wire	√	
Telephone line/twisted-pair/electric wire		√
Indication light for signal strength	√	
Live switchboard wire tracing	√	
Switchboard wire tracing distance	$\geq 100\text{m}$	
Telephone lines tracking distance	$\geq 3000\text{m}$	$\geq 3000\text{m}$
Cables tracking distance	$\geq 320\text{m}$	
Open and short circuit test	√	
Polarity indication for telephone lines	√	√
Broken wire tracking	√	
Transmitter low battery indication	√	√
Headphone jack for receiver	√	
Line sequence measurement	9 LEDs	
Line sequence measuring speed	Fast and slow selectable	
LAN cable: shielded/unshielded indication	√	

Characteristics	
Standard accessories	9V battery x 2, RJ11 cable (UT682), RJ45 cable (UT682), RJ11 cable with alligator clips (UT682), English manual
Product size	UT682: Transmitter-125 x 48 x 28mm, receiver-195 x 48 x 30mm UT682D: Transmitter-74 x 68 x 28mm, receiver-208 x 47 x 33mm
Product net weight	UT682: Transmitter-125g, receiver-153g; UT682D: Transmitter-150g, Receiver-130g
Standard individual packing	Gift box, carrying bag (UT682)
Standard quantity per carton	20pcs
Standard carton measurement	425mm x 335mm x 290mm
Standard carton gross weight	8.4kg



UT682 Wire Tracker



UT682D Tone and Probe





UT683KIT

Wire Tracker

The UT683KIT, an intelligent wire tracker which is designed with strong anti-interference ability. It can quickly and accurately locate the target cable. This kit can automatically identify open, short, polarity, and quickly distinguish cable failure.

Features:

- Multi-functions all in one
- Wire detect: RJ11>3000m; RJ45>100m
- Strong anti-interference
- Adjustable buzzer volume
- Open/Short/Polarity test
- NCV function

Specifications	Description
Transmitter	
Port flashing	√
Wire tracking	√
Line alignment	√
Open-short test	10kΩ
Polarity test	√
Operating time	>8 hours
Receiver	
Wire tracking	RJ11>3000m; RJ45>100m
NCV function	√
Headset jack	3.5mm
Low battery indication	√
Operating time	>5 hours



UT683KIT

Characteristics	
Standard accessories	USB cable, RJ11 alligator clip test cable, RJ45 test cable, RJ11 test cable, English manual
Power	1050mAh rechargeable lithium battery
Product size	Transmitter-130 x 51 x 28mm; Receiver-197 x 48 x 34mm
Product net weight	Transmitter: around 95g; Receiver: around 127g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	480 x 370 x 325mm
Standard carton gross weight	About 10kg



UT685B KIT

TDR Cable Tester



The UT685B tests multiple cable types—twisted pair, coaxial, and POE network cables. It locates, measures length, identifies wire sequence, verifies POE standard, and integrates RJ11, RJ45, and coaxial ports, streamlining testing without adapters. This efficiency boosts work quality, making installations easier to troubleshoot.

Features:

- TDR supported: no blind area
- High resolution: 0.3m
- Various types of cables
- Cable length test: 500m
- Input protection: DC 70V
- POE/POE switch/Standar detection



UT685B KIT

Model	UT685B KIT
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Tested cable type	Twisted pair cable: 1, UTP (unshielded cable); 2, FTP (aluminum foil shielded cable); 3, SSTP (double shielded network cable);
	Coaxial cable: 50Ω, 75Ω, 93Ω
Cable length test	Range: 500m
	Resolution: 0.33m
	Accuracy: ± 4% or 0.6 m
POE detection	POE power detection
	POE standard: 802.3AF
	POE standard: 802.3AT
Ethernet port test	√
Cable location	√
Port blinks	√
Input protection	70VDC
Screen	2.8" LCD
Auto power off	Around 10 minutes

Characteristics	
Power	AAA alkaline batteries x 4
Product size	180 x 84 x 37.8mm





UT25CL Cable Locator

The UT25CL features advanced sensors for effortlessly tracing vital elements like hidden wires or conductors. It ensures precise and efficient locating, saving time, preventing damage, and guaranteeing smooth installations or repairs. Whether for residential or commercial projects, it's the go-to tool for electricians, contractors, and DIY enthusiasts.

Features:

- Energized wire detection
- Fuses and relative circuit detection
- Sensitivity adjustable
- Multi-transmitters compatible (up to 8pcs)
- Audible & Visible indications
- Metallic heating pipe detection



Specifications	Range
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Function	<ol style="list-style-type: none"> 1. Locate the hidden electrical conductor within the wall. 2. Identify any interruptions or short-circuits occurring in the conductors. 3. Trace the path of the conductor within the soil. 4. Detect the presence of fuses and their corresponding electrical circuits. 5. Identify any open-circuits or short-circuits in the in-floor heating system. 6. Trace the route of metallic water pipes and heating piping.
Transmitter	
Output signal	33KHZ
Voltage range	AC/DC 8~480V / 50/60Hz/ 2.5% ±3deg
Screen	Segment code LCD (TN; Translucent)
Receiver	
Receive frequency	33KHz
Tracing depth	Around 0~2m (single-pole application; single-circuit: 2.5m) Around 0~0.5m (double-pole application)
NCV	80V ~ 1000V, 50Hz/60Hz
Voltage detection depth	Around 0~0.4 meters
Multi-Transmitters compatible	Up to 8pcs
Screen	Segment code LCD (TN; Translucent)
Ohters	
Working environment	0~40°C, max 80% rel. humidity (not condensing)
Storage encironment	-20~60°C, max 80% rel. humidity (not condens.)
Height above MSL	Max.2000m
Over voltage category	CAT III 600V
Pollution rating	2
IP rating	IP54



UT25CL-T



UT25CL-R

Characteristics	
Power supply	Transmitter: 6 x 1.5V AA; Receiver: 6 x 1.5V, AAA
Product color	Red + Grey
Product dimension	Transmitter: 190 x 90 x 38mm; Receiver: 250 x 66 x 38mm
Accessories	UT25CL-T transmitter 1pcs; UT25CL-R receiver 1pcs; Dual in-line test leads (red + black) 1 pair; Alligator clips (red + black) 1 set; Lantern-tip test probe (red + black) 1pcs; AC polarized plug wire 1pcs; User manual 1pcs; 1.5V AA alkaline battery 6pcs; 1.5V AAA alkaline battery 6pcs;



UT658 SERIES

USB Testers



UT658 series USB testers are used to verify USB chargers and portable power sources of electronic products. It can detect voltage, current, and power. Users can use this device to monitor the charging status of any USB-powered device.

Features:

- Portable & Compact design
- Multiple display: A+V+T (Except UT658B)
- Easy to operate
- Type C & USB2.0/3.0/4.0 (UT658DUAL)
- Fast charge protocol: QC 3.0



Tester with electronic load (UT658LOAD)



UT658B

UT658DUAL

UT658LOAD

Specifications	Range	UT658B	UT658DUAL	UT658LOAD
Input & Output ports (Type A)		√	√	√
Input & Output ports (Type C)			√	
Data/charging protocol		2.0	2.0/(3.0/4.0)	2.0/3.0
Voltage range	4~24VDC, resolution: 0.01V	3V~9V; Resolution:0.01V	√	√
Current range (Type-A)	0.05~3ADC, resolution: 0.01A	0A~3.5A; Resolution: 0.01A	√	√
Current range (Type-C)	0.05~5ADC, resolution: 0.01A		√	
Capacity	0~99999mAh, resolution: 1mAh	√ (0~39999mAh)	√	√
Energy	0~1000Wh		√	√
Circuit equivalent resistance measurement	1~480Ω		√	√
USB data cable voltage (D+, D-)	0~3.3V		√	√
Data storage	10 sets	√	√	√
Electrical load (UT658LOAD only)	0.5A, 1A, 2A, 3A (Max power: 60W)			√
Maximum recording time	99h, 59min, 59sec; resolution: 1s		√	√
Fast charge protocol (Type-A)	QC 3.0 fast charge protocol		√	√
Fast charge protocol (Type-C)	QC 4.0 fast charge protocol		√	

Characteristics

Product size	UT658DUAL: 93 x 55 x 13mm; UT658LOAD: 122 x 53 x 27mm
Product net weight	UT658B: 30g; UT658DUAL: 65.8g; UT658LOAD: 114.4g;
Standard individual packing	UT658B: Gift box; UT658DUAL/UT658LOAD: Gift box, English manual
Standard quantity per carton	60pcs
Standard carton measurement	UT658B: 205 x 170 x 170mm; UT658DUAL: 280 x 220 x 225mm; UT658LOAD: 320 x 300 x 225mm
Standard carton gross weight	UT658B: 2.3kg; UT658DUAL: 5.5kg; UT658LOAD: 9kg;





UT673A/UT675A Battery Testers

UT673A/UT675A battery testers are designed to assess the health of automotive batteries, compatible with battery capacities ranging from 3 to 250Ah. The UT675A model also features USB communication and a built-in printer for generating reports.

Features:

- Compatible with multiple car battery
- Multiple display: V+R+mAh
- Multiple battery standards: 10 types
- Over voltage protection
- Reverse connection protection
- Poor contact indication

Specifications	Range	UT673A	UT675A
12V battery test	7~16V DC	√	√
12V/24V cranking system test	7~30V DC	√	√
12V/24V charging system test	7~30V DC	√	√
Battery type	Lead acid battery, AGM battery, GEL battery, EFB battery		
Battery capacity	3~250Ah		
Battery standards and range	CCA: 40~2000; BCI: 40~2000; CA: 40~2000; MCA: 40~2000; JIS: 26A17~245H52; DIN: 40~1400; IEC: 40~1400; EN: 40~2000; SAE: 40~2000; AH: 3~250AH		
USB communication			√
Printing function			√

Features

- Over voltage protection
- Reverse connection protection
- A prompt of poor contact
- Battery status display
- Battery life display
- Battery capacity display
- Battery internal resistance display

Characteristics

Standard accessories	UT673A: English manual; UT675A: English manual, USB cable, printing paper 3 rolls, carrying bag
Power	None, powered by external source
Display	128 x 64 black and white lattice
Product size	UT673A: 76 x 22 x 142mm; UT675A: 95 x 47 x 183mm
Product net weight	UT673A: 264g; UT675A: 413g
Standard individual packing	UT673A: Blister; UT675A: Gift box, carrying bag
Standard quantity per carton	UT673A: 30pcs; UT675A: 10pcs
Standard carton measurement	UT673A: 650 x 380 x 350mm; UT675A: 590 x 470 x 260mm
Standard carton gross weight	UT673A: 13.6kg; UT675A: 9.3kg



UT673A



UT675A



UT691 SERIES

Visual Fault Locators



UT691 Visual Fault Locator is designed for the detection and location of optical fiber faults, as well as end-to-end optical fiber identification and more. It can be extensively applied in the fields of optical cable construction and maintenance, optical fiber communication or sensing, and optical CATV.

Features:

- Long Optical fiber detection range
- Long working time: up to 10h
- Auto power off
- IP54 & 1m drop protection



UT691-01
(UT691-01/UT691-10 share the same mold)

Specifications	UT691-01	UT691-10
Total output power	<1mW	<15mW
Optical fiber length range	1~3km	8~10km
Battery life	>10h	>7h
Wavelength of redlight	630~670nm	
Optical fiber adapter	2.5mm universal connector	
Battery type	3.7V 1050mAh polymer lithium battery	
Battery status display	The battery status will be shown by 4 blue LED (not in flashlight)	
Green indicator	Indicates auto power off state which LED will flash white light for 3 times	
Laser mode	Continuous mode/Pulse mode	
Charge voltage and current	DC 5V, <1A	
APO	15min auto power off (can be canceled)	
Warning symbol	v	
Warning	v	
Key press test	>5000 times	
Drop test	1m	

Characteristics	
Power	1050mAh rechargeable battery
Product size	130 x 38 x 27mm
Product net weight	62g
Standard individual packing	Gift box, English manual
Standard quantity per carton	20pcs
Standard carton measurement	285 x 245 x 155mm
Standard carton gross weight	About 2.8kg





UT701

Single Function Temperature Calibrator

UT701 is a stable and high-precision handheld calibrator, offering outputs for voltage, resistance, and a range of 10 types of thermocouples and 4 types of resistance thermometers. Known for its ease of use and high performance, the UT701 is an excellent testing tool for those involved in temperature calibration.

Features:

- 10 thermocouples & 4 thermal resistance
- Output functions: DCV+R+thermal resistance
- High precision output: up to 0.05%
- Manual/Auto stepping ramping
- Stores and recalls setups



UT701

Type	Range	Accuracy
DC (mV)	100mV 1000mV	$\pm(0.05\%+20)$ $\pm(0.05\%+3)$
Resistance (Ω)	500 Ω	$\pm(0.05\%+2)$
Thermocouples		
J	-20~1200°C (-328~2192°F)	$\pm 0.7^\circ\text{C}$
K	-200~1370°C (-328~2498°F)	$\pm 1^\circ\text{C}$
T	-200~400°C (-328~752°F)	$\pm 0.8^\circ\text{C}$
E	-200~950°C (-328~1742°F)	$\pm 0.7^\circ\text{C}$
R	-20~1750°C (-4~3182°F)	$\pm 1.4^\circ\text{C}$
S	-20~1750°C (-4~3182°F)	$\pm 1.5^\circ\text{C}$
B	600~1800°C (1112~3272°F)	$\pm 1.4^\circ\text{C}$
N	-200~0~1300°C (-328~2372°F)	$\pm 0.9^\circ\text{C}$
Wre325	0~2000°C (32~3632°F)	$\pm 1.8^\circ\text{C}$
Wre526	0~2300°C (32~4172°F)	$\pm 1.8^\circ\text{C}$
RTDs		
Pt10	-200~850°C (-328~1562°F)	$\pm(0.5\%+6^\circ\text{C})$
Pt100	-200~850°C (-328~1562°F)	$\pm(0.05\%+0.6^\circ\text{C})$
Cu50	-50~150°C (-58~302°F)	$\pm(0.05\%+0.6^\circ\text{C})$
Cu100	-50~150°C (-58~302°F)	$\pm(0.05\%+0.6^\circ\text{C})$
Ramp functions	Source functions: voltage, resistance, temperature Ramps: slow ramp, fast ramp, 25% step-ramp	
Step functions	Source functions: voltage, resistance, temperature Steps: 25% of range, 100% of range	

Characteristics	
Standard accessories	Test leads, battery, English manual
Power	9V battery (6F22)
Display	63 x 40mm
Product size	96 x 193 x 47mm
Product net weight	410g
Standard individual packing	Gift box, cloth bag
Standard quantity per carton	5pcs
Standard carton measurement	325 x 225 x 285mm
Standard carton gross weight	4.5kg



UT705

Single Function Loop Calibrator



UT705 is specifically designed for the calibration, maintenance, and repair of electrical circuits. It features optional step and ramp functions that provide a continuous and smooth output for testing the circuit loop. With its quick measurement capabilities, it simplifies and enhances the calibration process, making it an ideal tool for your needs.

Features:

- Measurement & Source all in one
- Loop current: 4 to 20mA
- Ramp & Stepping functions
- High precision: up to 0.02%
- Stores and recalls setups



UT705

Type	Range	Accuracy
Measurement		
DC voltage (V)	30V	$\pm(0.02\%+2)$
DC current (A)	4-20mA	$\pm(0.02\%+2)$
Loop current	4-20mA	$\pm(0.02\%+2)$
Source		
DC current (source)	4-20mA	$\pm(0.02\%+2)$
DC current (simulate)	4-20mA	$\pm(0.02\%+2)$
Loop power function	Voltage: 24V; Accuracy: 10%	
Ramp functions	Source functions: Voltage, resistance, temperature Ramps: Slow ramp, Fast ramp, 25% step-ramp	
Step functions	Source functions: Voltage, resistance, temperature Steps: 25% of range, 100% of range	

Characteristics	
Standard accessories	Test leads, battery, English manual
Power	9V battery (6F22)
Display	63 x 40mm
Product size	96 x 193 x 47mm
Product net weight	410g
Standard individual packing	Gift box, cloth bag
Standard quantity per carton	5pcs
Standard carton measurement	325 x 225 x 285mm
Standard carton gross weight	4.5kg





UT714

Multifunction Temperature Process Calibrator

The UT714 is a powerful temperature calibrator that sources and measures thermocouples, RTDs, voltage, and resistance. It is designed to test and calibrate a variety of temperature instruments. This device is suitable for testing input/output temperature terminals, including sensors and transmitters.

Features:

- Measurement & Source all in one
- High precision: up to 0.02%
- Ramp & Stepping functions
- Stores and recalls setups
- Rechargeable battery



UT714

Type	Range	Accuracy
Measurement		
DC voltage (V)	50mV/500mV/30V	±(0.02%+2)
Resistance (Ω)	500Ω/5000Ω	±(0.05%+10)
Thermocouples	R,S,K,E,J,T,N,B,L,U	
RTDs	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50/Cu100/Pt100-392/Pt100-JIS/Ni120	
Continuity test	√	
Source		
DC voltage (V)	100mV/1000mV/10V	±(0.02%+10)
Resistance (Ω)	400Ω/4000Ω	±(0.05%+10)
Thermocouples	R,S,K,E,J,T,N,B,L,U	
RTDs	Pt100-385/Pt100-392/Pt100-JIS/Pt200-385/P500-385/Pt1000-385/Cu10/Cu50/Cu100/Ni120	
Display count	20000	
Operating temperature	-10°C~55°C	

Characteristics	
Standard accessories	Test leads, USB cable, power adapter, temperature probe, English manual
Power	1.2V x 6 AA rechargeable battery
Product size	195 x 95 x 58mm
Product net weight	650g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	1pc
Standard carton measurement	305 x 85 x 260mm
Standard carton gross weight	1.5kg



UT715

Multifunction Loop Process Calibrator



The UT715 Multifunction Loop Process Calibrator measures and sources loop current and voltage. It is a powerful tool for the calibration, repair, and maintenance of industrial control systems.

Features:

- High end level: 20000 count
- Measurement & Source all in one
- High precision: up to 0.02%
- Ramp & Stepping functions
- Stores and recalls setups
- Rechargeable battery



UT715

Type	Range	Accuracy
Measurement		
DC voltage (V)	200mV/30V	$\pm(0.02\%+2)$
DC current (mA)	24mA	$\pm(0.02\%+2)$
Loop current (mA)	24mA	$\pm(0.02\%+2)$
Frequency (Hz)	100Hz/1kHz/10kHz/100kHz	$\pm(0.01\%+1)$
Continuity test	v	
Source		
DC voltage (V)	100mV/1000mV/10V	$\pm(0.02\%+10)$
DC current (mA)	24mA/24mA (SIM)	$\pm(0.02\%+2)$
Frequency (Hz)	200Hz/2000Hz/20kHz	$\pm(0.01\%+1)$
Pulses (Hz)	100Hz/1kHz/10kHz	± 1
Loop power output	24V	$\pm 10\%$
Display count	20000	
Operation temperature	-10°C~55°C	

Characteristics

Standard accessories	Test leads, USB cable, power adapter, English manual
Power	1.2V x 6 AA rechargeable battery
Product size	195 x 95 x 58mm
Product net weight	650g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	1pc
Standard carton measurement	305 x 85 x 260mm
Standard carton gross weight	1.5kg





UT725

Multifunction Process Calibrator

The UT725, It is a temperature/loop process calibrator. Users can easily measure and source a variety of process parameters: mA, volts, temperature, frequency, and ohms, all in one tool. The UT725 is a useful tool with a wide range of industrial applications.

Features:

- High end level: 20000 count
- Measurement & Source all in one
- High precision: up to 0.02%
- Ramp & Stepping functions
- Measure and output signal Simultaneously
- Measure and sourcing the pressure



UT725

Type	Range	Accuracy
Measurement		
DC voltage (V)	50mV/500mV/50V	±(0.02%+2)
DC current (mA)	20mA	±(0.02%+2)
Loop current (mA)	20mA	±(0.02%+2)
Resistance (Ω)	500Ω/5000Ω	±(0.05%+10)
Frequency (Hz)	100Hz/1kHz/10kHz/100kHz	±(0.01%+1)
Thermocouples	R,S,K,E,J,T,N,B,L,U,XK,BP	
RTDs	Pt100/Pt200/Pt500/Pt1000/Cu10/Cu50/Cu100/Pt100-392/Pt100-JIS/Ni120	
Continuity test	v	
Pulses (Hz)	1~15kHz (1~100000 periods)	
Source		
DC voltage (V)	100mV/1000mV/10V	±(0.02%+10)
DC current (A)	20mA/20mA(SIM)	±(0.02%+2)
Resistance (Ω)	400Ω/4000Ω/40kΩ	±(0.05%+10)
Frequency (Hz)	200Hz/2000Hz/20kHz/100kHz	±(0.01%+1)
Pulses (Hz)	100Hz/1kHz/10kHz	±1
Thermocouples	R,S,K,E,J,T,N,B,L,U,XK,BP	
RTDs	Pt100-385/Pt100-392/Pt100-JIS/Pt200-385/P500-385/Pt1000-385/Cu10/Cu50/Cu100/Ni120	
Display count	20000	
Operating temperature	-10°C~55°C	

Characteristics	
Standard accessories	Test leads, USB cable, power adapter, temperature probe, English manual
Power	1.2V x 6 AA rechargeable battery
Product size	195 x 95 x 58mm
Product net weight	650g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	1pc
Standard carton measurement	305 x 85 x 260mm
Standard carton gross weight	1.68kg



Electrical Power Tools

UNI-T's electrical meters offer practical solutions for measuring insulation resistance, leakage current, power quality monitoring, electrical equipment control, and more. Applications include: SCADA system, energy management system, distribution box, substations, industrial automation, etc.





UT281 SERIES

True RMS Flex Clamps

meters.uni-trend.com

ELECTRICAL POWER TOOLS

The UT281 series can measure large currents in various harsh and hard-to-reach environments. They are designed with a Rogowski flex coil and can test up to 3000A of AC current. Due to their ease of operation, accurate readings, stable performance, and reliable quality, these flex clamps are ideal tools for electricians.

Features:

- True RMS measurement
- Fast refresh rate: 3 times/s
- 1m drop test
- IP54 rating (UT281A/C)
- APO & Low battery indication



Specifications	UT281A	UT281C	UT281E	UT281E+
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
Current (ACA)	30.00A/300.0A/3000A	30.00A/300.0A/3000A	30.00A/300.0A/3000A	9.99/99.9/999/9.99KA
Frequency response(ACA)	45~500Hz	45~500Hz	45~500Hz	45~400Hz
Resolution & Accuracy	0.01A; ±(3%+5)	0.01A; ±(3%+5)	0.01A; ±(3%+5)	0.01A; ±(2%+5)
Inrush current	0.5A~3000A	0.5A~3000A	0.5A~3000A	
Voltage (ACV)			6.000V/60.00V/600.0V	1000V
Accuracy (ACV)			±(1.2%+3)	±(1.2%+3)
Voltage (DCV)				1000V
Accuracy (DCV)				±(1.2%+3)
Resistance			60.00MΩ: ±(1.2%+3)	60.00MΩ: ±(1.0%+5)
Frequency			20Hz~30kHz: ±(1%+2)	10.00Hz~30.00kHz: ±(0.5%+3)
True RMS	√	√	√	√
Display count	3000	3000	6000	6000
Length flexible coil	10" (25.4cm)	18" (45.7cm)	18" (45.7cm)	43.30" (1100mm)
Coil inner dia.	radius: 1.5" (3.8cm)	radius: 3.1" (8cm)	radius:3.1" (8cm)	radius: 6.26" (15.92cm)
Sampling rate	3times/s	3times/s	3times/s	3times/s
Data hold	√	√	√	√
Backlight	√	√	√	√
Power supply	1.5V AAA x 3	1.5V AAA x 3	1.5V AAA x 3	1.5V AAA x 3
Meter's dimension	300 x 150 x 55mm	350 x 190 x 55mm	325 x 180 x 30mm	145 x 58 x 33mm
Dimension (LCD)	32 x 34mm	32 x 34mm	35 x 32mm	35 x 32mm
Warning indication				High voltage & OL
2m drop test	√	√	√	
Overvoltage rating	CAT IV 600V	CAT IV 600V	CAT IV 600V	CAT IV 600V

Characteristics (UT281E+: TBD)

Standard accessories	Batteries, test leads (UT281E), English manual (UT281A/C only: German, French, Spanish optional)
Power	1.5V battery (R03) x 3
Display	32 x 34mm (1.8 inches)
Product size	UT281A: 300 x 150 x 55mm; UT281C: 350 x 190 x 55mm; UT281E: 325 x 180 x 30mm
Product net weight	UT281A: 220g; UT281C: 236g; UT281E: 250g
Standard individual packing	Gift box, blister
Standard quantity per carton	10pcs
Standard carton measurement	UT281A: 580 x 380 x 180mm; UT281C: 420 x 355 x 425mm; UT281E: 435 x 380 x 245mm
Standard carton gross weight	UT281A: 4.9kg; UT281C: 6.2kg; UT281E: 6.3kg



*Product is preliminary and subject to change pending final release information.

UT219P

AC Digital Power Clamp Meter



UT219P is an intelligent, handheld, and stable power and harmonics clamp meter. It is widely used for [measuring] voltage, power, harmonics, and conducting power quality analysis in electrical equipment and distribution cabinets within power systems, transportation systems, communications, and industrial control systems.

Features:

- Large Jaw size: up to 75mm
- True RMS with 9999 display count
- Multi-functions all in one
- Connecting method indication (Power)
- Bluetooth app supported
- CAT III 1000V & CAT IV 600V

Specifications	Range	Accuracy
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
AC current (A)	1000A	±(1.5%+3)
AC voltage (V)	1000V	±(0.7%+3)
Power (single phase)	1000KW	
Power (3-phase & 3-wires)	1732KW	±(1.7%+5)
Power (3-phase & 4-wires)	3000KW	
Power frequency (Hz)	15Hz~1000Hz	±(0.3%+3)
Phase angle (-180°~179.9°)	15Hz~40Hz	±3°
	40Hz~70Hz	±5°
	70Hz~1000Hz	±5°
Power factor	-1~1	based on the Accuracy of the Phase angle

Features	
Jaw opening	75mm
Phase detection	√(80V~1000V) Positive and Negative
PEAK measurement	√
Harmonic measurement	32 times
Display mode	LCD screen 4 kinds of results at the same time
Display count	9999
Bluetooth app	√
True RMS	√
Overload indication	√
High voltage indication	√
High voltage overload warning	√
Low battery indication	√
Data hold	√
Auto power off	Around 15 minutes
Max/Min	√
Overvoltage category	CAT III 1000V/CAT IV 600V



UT219P



UT270 SERIES

Clamp Earth Ground Testers

UT270 series can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need for [auxiliary electrodes]. The clamps' double insulation design makes them durable tools for outdoor work and effective at blocking interference from the environment.

Features:

- Large Jaw size: up to 32mm
- Earth resistance measurement
- Current measurement
- APO & Low battery indication
- CAT III 300V & Alarm function

All the models in this page share the same mold.

Specifications	Range	UT273+	UT275
Earth ground resistance (Ω)	0.01~0.099Ω	±(1%+0.02Ω)	±(1%+0.01)
	0.1~0.99Ω	±(1%+0.05Ω)	±(1%+0.01)
	1~49.9Ω	±(1%+0.5Ω)	±(1.5%+0.1)
	50~99.5Ω	±(1.5%+1Ω)	±(2%+0.5)
	100~199Ω	±(2%+2Ω)	±(3%+1)
	200~399Ω	±(5%+5Ω)	±(10%+5)
	400~590Ω	±(10%+10Ω)	±(20%+10)
	590~600Ω	±(20%+20Ω)	
	600~1000Ω		±(25%+20)
Current (A)	1.00mA~9.99mA	±(2.5%+1mA)	
	10.0mA~99.9mA	±(2.5%+5mA)	
	100mA~999mA	±(2.5%+10mA)	
	0mA~299mA		±(2.5%+2mA)
	0.3A~2.99A		±(2.5%+100mA)
	1.00A~9.99A	±(2.5%+0.2A)	
	10A~20A	±(2.5%+0.5A)	
Leakage current measurement			±(2.5%+300mA)
3A~30A			
Leakage current measurement		√	√
Screen		4 digits LCD	4 digits LCD
Jaw opening		32mm	28mm
Visual and audible alarm		√	
Auto power off		√	√
Over-range display		√	
Data storage		500	30
Display type		46 x 36mm	47 x 28.5mm
Overvoltage category	CAT III 300V		



UT273+



Characteristics	
Standard accessories	UT273+: User manual, AA alkaline 4pcs, calibration loop, USB cable (data transmission), tool box; UT275: Batteries, test ring, English manual
Product size	UT273+: 285 x 85 x 58mm; UT275: 293 x 90 x 66mm
Product net weight	UT273+: 1180g (batteries included); UT275: 1.32kg
Standard quantity per carton	UT273+: 1pcs/carton; UT275: 5pcs
Standard carton measurement	UT275: 510 x 375 x 320mm
Standard carton gross weight	UT275: 15.2kg



UT276A+

Clamp Earth Ground Tester



UT276A+ can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need for [auxiliary electrodes]. The clamps' double insulation design makes them durable tools for outdoor work and effective at blocking interference from the environment.

Features:

- Large Jaw size: up to 32mm
- Earth resistance measurement
- APO & Low battery indication
- CAT III 300V & Alarm function

Specifications	Range	UT276A+
Earth ground resistance (Ω)	0.01~0.099 Ω	$\pm(1\%+0.01)$
	0.1~0.99 Ω	$\pm(1\%+0.01)$
	1~49.9 Ω	$\pm(1\%+0.1)$
	50~99.5 Ω	$\pm(1.5\%+0.5)$
	100~199 Ω	$\pm(2\%+1)$
	200~399 Ω	$\pm(5\%+5)$
	400~590 Ω	$\pm(10\%+10)$
Screen		4 digits LCD
Jaw opening		32mm
Visual and audible alarm		v
Auto power off		v
Jamming signal recognition		v
Over-range display		v
Data storage		300
Display type		47 x 28.5mm
Overvoltage category	CAT III 300V	

Characteristics	
Standard accessories	Batteries, test ring, English manual
Product size	285 x 85 x 56mm
Product net weight	1.18kg
Standard quantity per carton	1pcs
Standard carton measurement	370 x 110 x 300mm
Standard carton gross weight	2.6kg





UT278A+

Clamp Earth Ground Tester

UT278A+ can quickly and safely measure the grounding system without disconnecting circuit ground lines or the need for [auxiliary electrodes]. The clamps' double insulation design makes them durable tools for outdoor work and effective at blocking interference from the environment.

Features:

- Large Jaw size: up to 32mm
- Earth resistance measurement
- Current measurement
- APO & Low battery indication
- CAT III 300V & Alarm function

Specifications	Range	UT278A+
Earth ground resistance (Ω)	0.01~0.099Ω	±(1%+0.01)
	0.1~0.99Ω	±(1%+0.01)
	1~49.9Ω	±(1%+0.1)
	50~99.5Ω	±(1.5%+0.5)
	100~199Ω	±(2%+1)
	200~399Ω	±(5%+5)
	400~590Ω	±(10%+10)
	600~800Ω	±(20%+20)
Current (A)	0mA~9mA	±(2.5%+1mA)
	10mA~99mA	±(2.5%+5mA)
	100mA~299mA	±(2.5%+10mA)
	0.3A~2.99A	±(2.5%+0.1A)
	3A~9.9A	±(2.5%+0.3A)
	10A~20A	±(2.5%+0.5A)
	Leakage current measurement	
Screen		4 digits LCD
Jaw opening		32mm
Visual and audible alarm		√
Auto power off		√
Jamming signal recognition		√
Over-range display		√
Data storage		300
Display type		47 x 28.5mm
Overtoltage category	CAT III 300V	

Characteristics	
Standard accessories	Batteries, test ring, English manual
Product size	285 x 85 x 56mm
Product net weight	1.18kg
Standard quantity per carton	1pcs
Standard carton measurement	370 x 110 x 300mm
Standard carton gross weight	2.6kg



UT251 SERIES

High Sensitivity Leakage Current Clamp Meters

UT251 series high-accuracy high sensitivity leakage current clamp meters are designed for testing AC leakage current. These high resolution meters are great for applications such as checking leakage current for motor, home appliances and other electrical equipment.

Features:

- 4 digits LCD display
- Earth resistance measurement
- Current measurement
- Strong anti-interference
- APO & Low battery indication
- CAT III 600V



UT251A

All the models in this page share the same mold.

Specifications	Range	UT251A	UT251C
Current (A)	0.001mA~60A	±(1.5%+5)	±(1.5%+5)
	60A~199.9A		±(2%+5)
	200A~300A		±(3%+5)
	300A~600A		±(4%+5)
	Voltage (Freq.) 0V~600V (50Hz/60Hz)	V	V
Leakage current measurement	Resolution	1uA	1mA
Clamp size		V	V
Data storage		25mm x 30mm	35mm x 40mm
Overvoltage category		99	99
		CAT III 600V	

Characteristics

Standard accessories	Battery, RS-232 interface cable, English manual
Power	9V battery (6F22)
Display	32 x 15mm
Product size	175 x 70 x 38mm
Product net weight	120g
Standard individual packing	Gift box, carrying bag, tool box
Standard quantity per carton	5pcs
Standard carton measurement	325 x 293 x 110mm
Standard carton gross weight	2.3kg





UT251C+

AC Leakage Current Meter

meters.uni-trend.com

ELECTRICAL POWER TOOLS

UT251C+ high-accuracy high sensitivity leakage current clamp meters are designed for testing AC leakage current. The high resolution meter is great for applications such as checking leakage current for motor, home appliances and other electrical equipment up to 60A.

Features:

- Large Jaw size: up to 40mm
- Current test: 60.0A & 1uA
- Dual display: A+Hz
- Strong anti-interference
- Harmonic measurement
- Bluetooth app supported

Specifications	Range	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Current	3.000mA	1uA
	30.00mA	0.01mA
	300.0mA	0.1mA
	3.000A	0.001A
	30.00A	0.01A
	60.0A	0.1A
Frequency	99.99Hz	0.01Hz
	999.9Hz	0.1Hz
	5.000KHz	0.001KHz
HARM measurement	1	0.1%
	2~6	0.1%
	7~8	0.1%
	9~10	0.1%
	11~15	0.1%
	16~21	0.1%



UT251C+

Features	
Display count	3000
True RMS	√
Jaw size	Measureable dia.: 40mm
Display	HTN LCD; Dual display
LPF function	√
Sample rate	2 times/s
Auto range	√
MAX/MIN	√
PEAK hold	√
Data hold	√
Data transmission	Bluetooth
Backlight	√
Flashlight	√
Low battery indication	√
Harmonic test	√
CAT rating	CAT III 600V

Characteristics	
Power supply	AAA 1.5V x 3
Product color	Black + Red
Product dimension	200 x 84 x 40mm



UT255 SERIES

High Voltage Clamp Ammeters

UT255 series high voltage clamp ammeters can measure up to 69kV high voltage line current and leakage current. UT255 comes with an insulation rod, allowing professional users to check the status of lightning arresters. Its clamp can be easily removed from the wire by pressing or pulling back the insulation rod.

Features:

- 2 times/s sampling rate
- Large current test: in high voltage system
- Retractable insulating rod
- Remote test within 30m (wireless: UT255B)
- Removable clamp CT
- CAT III 600V



UT255A



UT255B

Specifications	Range	UT255A	UT255B
Current (A)	0.01mA~100A	±(1%+5)	±(1%+5)
	100A~600A	±(2%+5)	±(2%+5)
	Voltage (Freq.) 0V~69kV (50Hz/60Hz)	√	√
Leakage current measurement		√	√
Display mode	4 digits LCD	√	√
Jaw opening		33mm	33mm
Wireless transmission	≤30m		√
Data storage		99	99
Overvoltage category	CAT III 600V		

Characteristics	
Standard accessories	Batteries, insulation rod, receiver (UT255B), English manual
Power	1.5V Battery (LR03) x 4
Display	47 x 28.5mm
Product size	68 x 245 x 40mm
Product net weight	335g
Standard individual packing	Gift box, tool box
Standard quantity per carton	1pc
Standard carton measurement	1040 x 240 x 140mm
Standard carton gross weight	6.8kg



UT255E

Wireless High Low Voltage Hook Ammeter

UT255E is designed to test the leakage current, current, frequency, and load in bare conductors, bus bars up to 35kV, or cables with safety insulation sheaths up to 110kV. It can be easily hung onto the line for testing and is particularly suitable for detecting transformer loads and inspecting the leakage currents of multi-core, thick cables, whether they are underground or outdoors.

Features:

- High AC current test: up to 20KA
- Suitable for high voltage system
- Large diameter hook type CT
- 10 hours continues working
- Fast sampling rae: 2 times/s
- Stretched insulation rod: 5m



Specifications

AC current (Auto range)	0~99.9A; 10mA; $\pm 2\% \pm 5$ dgt 100A~6000A; 10mA; $\pm 3\% \pm 5$ dgt 6.00kA~20.0kA; 10mA; $\pm 4\% \pm 5$ dgt
Frequency	45Hz~75Hz; 0.1Hz; ± 1 Hz (50/60Hz, auto)
Function	1, High/low voltage leakage current, current and frequency measurement; 2, Grounding current test of the iron core, transformer load; 3, Leakage current test of multicore cable.
Testing method	Hang the hook-type CT onto the line for testing
Transmission mode	433MHz wireless transmission
Phase detecting distance	About 150m (Straight-line distance)
On-line voltage	Bare conductor: <35kV Sheath-insulated cable: <110kV
Large diameter hook	Measurable wire & cable: Max. $\Phi 168$ mm Measurable busbar: $\Phi 168 \times 245$ mm
Sample rate	2 times/sec
Screen	3.5 inch true color LCD; Backlight brightness adjustable
Position error	Area A: No position error; Area B: Increase by about 0.2%; Area C: Increase by about 2%;
Data storage	9999 set
Overrange indication	"OL A" is displayed
No signal indication	The symbol "----" is displayed dynamically
Power	Lithium battery (with USB charging port) About 10 hours working time;
Insulation rod size	Stretched length: about 5m Retracted length: about 1m
Signal Interference	No 433MHz co-channel signal interference
Structural design	Anti-drip type II



UT261 SERIES

Phase Sequence and Motor Rotation Indicators



The UT261 series are used to detect the 3-phase power phase sequence, indicating missing phases, and assessing motor phase rotation (UT261B). They are composed of durable devices that can withstand impacts from a height of 2 meters, which are ideal tools for the electrical engineers.

Features:

- Portable & compact design
- Motor & Phase detection (UT261B)
- Safety alligator clip test lead
- CAT III 600V

Specifications	UT261A	UT261B
Applied for AC voltage (V)	40V~690V	90V~600V
Applied for Frequency (Hz)	15Hz~400Hz	15Hz~400Hz
Working current (A)	<1mA	<3mA
Phase sequence indication	LCD	LED
Missing phase indication	LCD	LED
Motor rotation indication		LED
Overvoltage category	CAT III 600V	

Characteristics	
Standard accessories	Battery (UT261B), test lead with alligator clip x 3, English manual
Power	UT261A: No battery required; UT261B: 9V battery (6F22)
Product size	123 x 71 x 29mm
Product net weight	UT261A: 160g; UT261B: 180g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	20pcs
Standard carton measurement	450 x 325 x 340mm
Standard carton gross weight	UT261A: 9.8kg; UT261B: 10.3kg



UT261A



UT261B





UT262E

Non-Contact Phase Detector

The UT262E is a clamp-style non-contact phase detector designed to prevent electrical shock to operators. It can be utilized for live wire detection, basic electrical inspections, phase identification, and identifying missing phases, and {locating} circuit breakers. It serves as an ideal tool for phase sequence detection, motor installation, and wire maintenance.

Features:

- Portable & compact design
- Non-contact detection
- Multi-functions all in one
- Safety alligator clip test lead
- Audible & Visible alarm
- CAT III 1000V & CAT IV 600V



UT262E

Models	UT262E
Function/Application	Phase detection, live wire examination, power inspection, phase loss judgment, breakpoints finding, breakpoints positioning.
Measurement method	Non-contact detection
Applied for AC voltage (V)	70~1000VAC (Three phase)
Applied for Frequency (Hz)	45Hz~66Hz
Operating temperature	0°C~50°C
Storage temperature	-20°C~60°C
Operating humidity	<85% (Non condensing)
Button life	10000 cycles
Insulation intensity	3.7kVrms
Buzzer level	65~70dB
IP rating	IP52
Overtoltage category	CAT III 1000V, CAT IV 600V



Phase detection/sequence and LED status								
Test status	LED indication status						Buzzer	
	Power on indication	R/A	S/B	T/C	Positive phase R	Reverse phase L	LED status	Slow buzz: 2Hz Fast buzz: 12Hz
Positive phase	●	●	●	●	●	○	Always ON	2Hz
Reverse phase	●	●	●	●	○	●	Always ON	12Hz
No phase change (two clamps on same wire)	●	●	●	●	○	○	Flashing	(Abnormality indication)
A phase missing	●	○	●	●	○	○	Always ON	
B phase missing	●	●	○	●	○	○	Always ON	
C phase missing	●	●	●	○	○	○	Always ON	
A and B phase missing	●	○	○	●	○	○	Always ON	
B and C phase missing	●	●	○	○	○	○	Always ON	
A and C phase missing	●	○	●	○	○	○	Always ON	



UT278C/D

Ground Pile Clamp Earth Resistance Testers

The UT278C/D Earth Clamp Meter is designed for testing grounding resistance. It features a variety of functions including clamp-on measurement, both 3/4-wire grounding measurement, voltage and current measurement, data storage and viewing, alarms, auto power-off, and more.

Features:

- Clamp-style grounding measurement
- 3/4-wire grounding measurement
- Grounding voltage measurement
- 2.4 INCH color LCD
- Data storage: 500 sets
- CAT III 300V & CAT IV 150V

Functions	Range (UT278C)	Range (UT278D)
Ground resistance	0.00Ω-1800Ω	0.00Ω-2000Ω
Current (AC)	0.000A-50A	0.000A-60A
Current resolution	1uA	1uA
3 or 4-wire method resistance	0.00Ω-30KΩ	0.00Ω-30KΩ
Soil resistivity	0.00Ω-9999KΩ	0.00Ω-9999KΩ
Ground voltage	600V	600V
Power supply	1, DC 3.7V lithium battery; 2, Real-time display of battery power, reminding to charge in time	
Jaw size	68mm	
Screen	2.4 inch (46 x 29mm) color LCD	
Response time	1 time/sec	
USB data upload	The stored data can be uploaded, saved and printed.	
Data storage	500 set	
Backlight	√	
Alarm function	√	
Auto power off	Around 15 minutes	
Power consumption	750mA MAX	
Overload protection	√	
Weight	975g (including battery)	
Applicable overvoltage category	CAT III 300V, CAT IV 150V	



UT278C



UT278D



UT285C

Three Phase Power Quality Analyzer

meters.uni-trend.com

ELECTRICAL POWER TOOLS

A Power Quality Analyzer, also known as an Intelligent Three-Phase Power Quality Analyzer, features functions such as a harmonic analyzer, a phase volt-ampere meter, and an electric parameter tester. It is applicable across various sectors including the electricity industry, petrochemical, metallurgy, railway, mining enterprises, scientific research institutions, and metrological departments.

Features:

- Real-time waveform display
- True RMS test: V+A
- 50th harmonic measurement
- Power factor measurement
- Unbalanced three phases test
- PC software for data analysis



Current	<p>008B current clamp: 10mA~10.0A; (Optional, 4pcs) 040B current clamp: 0.10A~100A; (Optional, 4pcs) 068B current clamp: 1.0A~1000A; (Standard, 4pcs) 300F flexible current sensor (with Integrator): 10A~6000A (Optional, 4pcs)</p>
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Specifications	UT285C	
True RMS phase-to-neutral voltage	1.0V~1000V	±(0.5%+5dgt)
True RMS phase-to phase voltage	1.0V~2000V	±(0.5%+5dgt)
DC voltage	1.0V~1000V	±(1.0%+5dgt)
True RMS current	10mA~1000A	±(0.5%+5dgt)
Peak of phase-to-neutral voltage	1.0V~1414V	±(1.0%+5dgt)
Peak of phase-to-phase voltage	1.0V~2828V	±(1.0%+5dgt)
Current peak	10mA~1414A	±(1.0%+5dgt)
Active power	0.000W~9999.9kW	±(1%+3dgt), Cosφ≥0.8 ±(1.5%+10dgt), 0.2≤Cosφ<0.8
Reactive power, inductive or capacitive	0.000RVA~9999.9kVAR	±(1%+3dgt), Sinφ≥0.5 ±(1.5%+10dgt), 0.2≤Sinφ<0.5
Apparent power	0.000VA~9999.9kVA	±(1%+3dgt)
Power factor	-1.000~1.000	±(1.5%+3dgt), Cosφ≥0.5 ±(1.5%+10dgt), 0.2≤Cosφ<0.5
Active energy	0.000Wh~9999.9MWh	±(1%+3dgt), Cosφ≥0.8 ±(1.5%+10dgt), 0.2≤Cosφ<0.8
Reactive energy, inductive or capacitive	0.000VARh~9999.9MVARh	±(1%+3dgt), Sinφ≥0.5 ±(1.5%+10dgt), 0.2≤Sinφ<0.5
Apparent energy	0.000VAh~9999.9MVAh	±(1%+3dgt)
Phase angle	-179°~180°	±(2°)
Tanφ (VA>50VA)	-32.76~32.76	φ:±(1°)
Phase shift of power factor (DPF)	-1.000~1.000	φ:±(1°)
Harmonic ratio (order 1 to 50) (Vrms>50V)	0.0%~99.9%	±(1%+5dgt)
Harmonic angle (Vrms>50V)	-179°~180°	±(3°) harmonics of order 1 to 25 ±(10°) harmonics of order 26 to 50
Total harmonic ratio	0.0%~99.9%	±(1%+5dgt)
Distortion factor (DF or THD-R)<50	0.0%~99.9%	±(1%+10dgt)
Transformer K factor	1.00~99.99	±(5%)
3 phases unbalance	0.0%~100%	±(1%)
Number of channels	4U/4I	
Parameters of electricity	W, VA, Var, PF, DPF, cosφ, tanφ	
Energy parameters	Wh, Varh, Vah	
Harmonic	50	
Total harmonic distortion	Order 0~50, each phase	
Expert mode	√	
Number of Transient records	150 sets	
Min/Max	√	
Alarm	40 different types of parameter selections, 12,800 sets alarm logs	
USB interface/PC software	√	
Power	9.6V rechargeable lithium-ion battery	
Product color	Red and grey	
Product net weight	Instrument: 1.6kg, current clamp: 510g x 4	
Product size	240 x 170 x 68 mm	
Standard accessories	1pc carry cloth bag, (yellow, green, red, blue, black total 5pcs test lead), 4pcs alligator clip, 1pc power adapter, 1pc CD software, 4pcs 1000A current clamp	
Standard individual packing	Inner carton	
Standard quantity per carton	1pc	
Standard carton measurement	440 x 320 x 330mm	
Standard carton gross weight	6.4kg	



Socket Testers

Socket testers are portable devices used for testing the wiring of power outlets. These testers are used widely in homes and commercial buildings. UNI-T's socket testers can speed up the testing process considerably and obtain reliable and accurate information socket status.



UT07/08 SERIES

Socket Testers/Receptacle Testers



UT07/08 series socket testers can check socket wiring errors. These tools are widely used in commercial and residential areas. The operation is easy and convenient, and it is a necessity for your daily life and house line inspection.

Features:

- Portable & Compact design
- LEDs display the results directly
- RCD/GFCI test (UT07B-EU/UT08B)
- Low power consumption



Specifications	UT07A-UK	UT07A-EU	UT07B-EU
Operating voltage	230V		
Operating current	<18mA		
Working frequency	50Hz~60Hz		
RCD			~30mA
Indications	Correct	OK, leakage test passed	
	Ground missing	OK	
	Live/Ground inverted	Ground missing	
	Live/Neutral inverted	Live missing	
	Neutral missing	Neutral missing	
		Live/Ground inverted and ground missing	



UT07A-UK



UT07A-EU



UT07B-EU

Specifications	Range	UT08A	UT08B
Operating voltage	110~125V AC	✓	✓
Operating power	0.3W	✓	✓
Working frequency	50~60Hz	✓	✓
GFCI	6~9mA	✓	✓
Indications	Open ground	✓	✓
	Open neutral	✓	✓
	Open hot	✓	✓
	Hot/GND reverse	✓	✓
	Hot/NEU reverse	✓	✓
	Correct	✓	✓



UT08B





UT230B-EU

Power Socket

The UT230B-EU power socket is capable of monitoring the operational status of electrical appliances, including voltage, current, time, power consumption, and energy cost. It is suitable for indoor use in various settings such as homes, offices, schools, and other residential and commercial environments.

Features:

- Real-time monitoring of AC power
- Cost of the power adjustable
- Carbon footprint calculation
- Dual display simultaneous



UT230B-EU

Specifications	Range	Accuracy
Voltage	100V~260V	±1%
Current	0A~16A	±1%
Frequency	45Hz~65Hz	
Power	1~3680W	±1%
Power factor	0~1	±2%
Energy consumption	0~9999kWh	±1%
Overload indication	>16A	

Characteristics	
Standard accessories	Battery, English manual
Power	3V button battery
Display	48 x 30.5mm
Product size	130 x 65 x 37mm
Product net weight	155g
Standard individual packing	Blister
Standard quantity per carton	48pcs
Standard carton measurement	475 x 460 x 395mm
Standard carton gross weight	13.2kg



Voltage Detectors

Non-contact voltage detectors can quickly detect live AC voltage. These handy devices are great for electricians to safely and quickly check the status of electrical wires.

The UT12 series includes single/dual mode (UT12S/UT12D) and two PRO models (UT12E/UT12M) designed with vibration and magnetic detection modes. These PRO models are IP67 rated, suitable for working in industrial environments.





UT12 SERIES AC Voltage Detectors

UT12 series non-contact AC voltage detectors are widely used in the maintenance of low voltage equipments such as conductors, cables, sockets, and other electrical/electronics instruments. It is a very handy tool for electricians.

Features:

- AC Voltage detection
- Pen type design
- Audible & Visible indication
- Drop protection: up to 2m
- CAT IV 1000V

Applications

Low voltage mode: Low-voltage motor (<90V), audio systems, arc welding machines, underground mining lighting, cables with thick insulation layer and other weak electromagnetic AC signals.

High voltage mode: Urban electric supply and three-phase systems (90~1000V). For example, power distribution units, electrical panels, electrical appliances.



UT12S/D

UT12E/M



- Built-in flashlight



Specifications	UT12S	UT12D	UT12E	UT12M
AC voltage (Low)		24V~1000V	24V~1000V	24V~1000V
AC voltage (High)	90V~1000V	90V~1000V	90V~1000V	90V~1000V
Frequency range	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Vibration mode			√	
Magnetic solenoid detection				√
Double injection molding			√	√
Drop test	1m	1m	2m	2m
Overvoltage category	CAT IV 1000V			

Characteristics	
Standard accessories	Battery, English manual
Power	1.5V battery (R03) x 2
Product size	UT12D/UT12S: 150 x 18 x 23mm; UT12E/UT12M: 160.5 x 21.5 x 25mm
Product net weight	UT12D/UT12S: 50g; UT12E/UT12M: 72g
Standard individual packing	Gift box, blister
Standard quantity per carton	40pcs
Standard carton measurement	UT12D/UT12S: 350 x 245 x 210mm; UT12E/UT12M: 415 x 245 x 235mm
Standard carton gross weight	UT12D/UT12S: About 3.6kg; UT12E/UT12M: About 3.8kg



*Buzzer and sensing LED frequencies increase when detector gets closer to the test object



UT18 SERIES

Voltage and Continuity Testers



The UT18 series is designed for testing AC/DC voltage, three-phase voltage/phase sequence, continuity, and more. It complies with CAT IV 600V, and the buzzer alarm function can remind users to maintain safe operation at all times. The UT18 series is a handy tool for electricians.

Features:

- AC/DC Voltage measurement
- Multifunctional in one
- Audible & Visible indication
- Auto input protection
- CAT IV 600V



Specifications	Range	UT18C	UT18D	UT18E
Voltage (AC/DC)	6V		5V±1V	
	12V	8V±1V	8V±1V	8V±1V
	24V	18V±2V	18V±2V	18V±2V
	50V	38V±4V	38V±4V	38V±4V
	120V	94V±8V	94V±8V	94V±8V
	230V	180V±14V	180V±14V	180V±14V
	400V	325V±15V	325V±15V	325V±15V
	690V	562V±24V	562V±24V	562V±24V
	1000V			820V±30V
Phase rotation test	100V AC~690V AC Frequency: 50Hz~60Hz	√	√	√
Continuity test	Resistance: 0Ω~100kΩ Beeper and LED light indication	√	√	√ (0-60kΩ)
RCD test	Operating voltage: 230V (50Hz~400Hz)	√	√	√
Polarity detection	Positive & Negative	√	√	√
Self-inspection	All LED or LCD	√	√	√
No power test	Operating voltage: 100~1000V	√		√
LCD display (voltage)	6V~690V	√	√	√ (1000V)
Voltage indication		LED and LCD	LCD	LED and LCD
LCD display (Frequency)	40Hz~400Hz	±(3%+5)	±(3%+5)	±(3%+5)
Overvoltage category		CAT III 690V, CAT IV 600V	CAT III 690V, CAT IV 600V	CAT III 1000V, CAT IV 600V

Characteristics	
Standard accessories	Batteries, English manual
Power	1.5V battery (R03) x 2
Display	UT18C: 31 x 20mm; UT18D: 73.5 x 35.5mm
Product size	272 x 85 x 31mm
Product net weight	280g
Standard individual packing	Blister
Standard quantity per carton	20pcs
Standard carton measurement	415 x 380 x 365mm
Standard carton gross weight	15.9kg





UT22B-EU

Voltage Tester

The UT22B-EU voltage tester, rated IP54, it is designed to withstand a 2m drop, and no need battery. The UT22B-EU can automatically distinguish between AC/DC voltage, as indicated by the number of LED lights. It is a straightforward tool for electricians and DIY enthusiasts to measure AC/DC voltage.

Features:

- Automatically detect AC/DC voltage
- High voltage alarm
- Input protection
- No need battery
- IP54 & 2m drop protection
- CAT III 400V



UT22B-EU



Specifications	Range
Voltage indications (AC/DC)	
12V	6V~12V
24V	17V~24V
50V	35V~50V
120V	84V~120V
230V	161V~230V
400V	280V~400V
Frequency (AC)	50/60Hz
Voltage indication	LED
Overvoltage category	CAT III 400V, IP54

Characteristics	
Standard accessories	English manual
Power	None, powered by external source
Product size	265 x 42 x 27mm
Product net weight	136g
Standard individual packing	Gift box
Standard quantity per carton	40pcs
Standard carton measurement	525 x 300 x 310mm
Standard carton gross weight	8kg



Infrared Thermometers

Infrared thermometer plays an important role in production quality control, equipment maintenance and troubleshooting, energy saving, and other applications. Infrared thermometer measures temperature through non-contact method, producing quick and accurate results. It allows users to measure high temperatures at a safe distance.





UT300A+ Infrared Thermometer

UT300A+ is an economical infrared thermometer. Its compact and simple design makes it easy for users to carry and operate. Designed with high accuracy, high repeatability, quick response, UT300A+ is suitable for measuring the surface temperature of hard-to-reach or dangerous objects.

Features:

- Simple one button operation
- Mini design, easy to carry
- Economical and practical

Specifications	UT300A+
Temperature range (°C)	-20°C~400°C
Temperature range (°F)	-4°F~752°F
Accuracy (°C)	±2.0°C or ±2%
Accuracy (°F)	±4.0°F or ±2%
Repeatability	1°C or 1.0% (2°F or 1.0%)
D:S ratio	10:1
Response time	≤500ms (95% of reading)
Emissivity	0.95
Spectral response	5.5μm~14μm
Laser power	<1mW
Auto power off	8s
Operating temperature	0°C~50°C (32°F~122°F)
Storage temperature	-20°C~60°C (-4°F~140°F)
Operating humidity	<90% RH (non-condensing)
Drop proof	1m
Backlight	√
Data hold	√
Low battery indication	√
Unit switch	°C/°F

Characteristics	
Standard accessories	Batteries, gift box, user manual
Power	1.5V battery (LR03) x 2
Display	20 x 24mm
Product size	135 x 94 x 36.5mm
Product net weight	146g
Standard quantity per carton	20pcs



UT300A+



UT301+ SERIES

Infrared Thermometers



Features:

- High and low temperature alarm
- Three-color LED and audible alarm
- Time scheduled measurement (UT301C+/UT301D+)
- Date/time display (UT301C+/UT301D+)
- Lock measurement/tripod mounting hole
- MAX/MIN/AVG/DIF/Hold modes



Scheduled measurement (UT301C+/301D+):
(automatic process)

Set start and interval time, device will auto turn on once every interval time to perform a measurement.



*** Ring laser (UT301C+)**

Unique patented display method that covers entire measured area, user will know exactly where the measurement is taking place.



UT301D+

	Normal status: High limit>temperature>low limit
	Temperature>high limit
	Temperature<low limit

All the models in this page share the same mold.

Specifications	UT301A+	UT301C+	UT301D+
Temperature range (°C)	-32°C~420°C	-32°C~600°C	-32°C~600°C
Temperature range (°F)	-25.6°F~788°F	-25.6°F~1112°F	-25.6°F~1112°F
Accuracy (°C)	±1.5°C or ±1.5%		
Accuracy (°F)	±3.0°F or ±1.5%		
Repeatability	0.7°C or 0.7% (1.5°F or 0.7%)		
D:S ratio	12:1 (95%)		
Response time	≤250ms (95% of reading)		
Emissivity	0.1~1.0 (adjustable, stores 5 sets of preset values)		
Spectral response	8μm~14μm		
Laser type	Single	Ring	Dual
Data storage		99	99
Interval time		1min~96h	1min~96h
Scheduled measurement		√	√
Laser power	<1mW		
LCD display	Color EBTN		
Unit switch	°C/°F		
Data/time		√	√
Auto power off	√		
Low battery indication	√		
Operating temperature and humidity	0°C~50°C (32°F~122°F), <90%RH (non-condensing)		



Characteristics	
Standard accessories	Battery, user manual, gift box, carrying bag
Power	9V battery
Display	30 x 30mm
Product size	160 x 74 x 48mm
Product net weight	204g
Standard quantity per carton	20pcs





UT302+/UT303+ SERIES

Infrared Thermometers

Features:

- High and low temperature alarm
- Three-color LED and audible alarm
- Time scheduled measurement (except UT302A+/UT303A+)
- Date/time display (except UT302A+/UT303A+)
- Lock measurement/tripod mounting hole
- MAX/MIN/AVG/DIF/Hold modes



Scheduled measurement (UT302C+/303C+/302D+/303D+):
(automatic process)

Set start and interval time, device will auto turn on once every interval time to perform a measurement.



*** Ring laser (UT302C+/UT303C+)**

Unique patented display method that covers entire measured area, user will know exactly where the measurement is taking place.



UT303D+

	Normal status: High limit > temperature > low limit
	Temperature > high limit
	Temperature < low limit

All the models in this page share the same mold.

Specifications	UT302A+	UT302C+	UT302D+	UT303A+	UT303C+	UT303D+
Temperature range (°C)	-32°C~700°C	-32°C~1100°C	-32°C~1100°C	-32°C~800°C	-32°C~1300°C	-32°C~1300°C
Temperature range (°F)	-25.6°F~1292°F	-25.6°F~2012°F	-25.6°F~2012°F	-25.6°F~1472°F	-25.6°F~2372°F	-25.6°F~2372°F
Accuracy (°C)	±1.5°C or ±1.5%					
Accuracy (°F)	±3°F or ±1.5%					
Repeatability	0.7°C or 0.7% (1.5°F or 0.7%)					
D:S ratio	20:1			30:1		
Response time	250ms					
Emissivity	0.1~1.0 (adjustable, stores 5 sets of preset values)					
Spectral response	8μm~14μm					
Laser type	Single	Ring	Dual	Single	Ring	Dual
Laser power	<1mW	<3mW	<1mW	<1mW	<3mW	<1mW
Data storage	99		99		99	
Interval time	1min~96h		1min~96h		1min~96h	
Scheduled measurement		√	√		√	√
LCD display	Color EBTN					
Operating temperature	0°C~50°C (32°F~122°F)					
Storage temperature	-20°C~60°C (-4°F~140°F)					
Operating humidity	<90%RH (non-condensing)					
Unit switch	°C/°F					
Data/time		√	√		√	√
Auto power off	√					
Low battery indication	√					
Operating temperature and humidity	0°C~50°C (32°F~122°F), <90%RH (non-condensing)					

Characteristics	
Standard accessories	Battery, English manual, gift box, blister, carrying bag
Power	9V battery
Display	35 x 35mm
Product size	172 x 113.5 x 53mm
Product net weight	310g
Standard quantity per carton	10pcs



UT305S

Infrared Thermometer



UT305S infrared thermometer can measure temperature by laser. UT305S has a 50:1 D:S ratio, so it can measure long range temperature points of interest with great accuracy. It is an ideal tool for industrial quality inspection, HVAC, metal working, and electronics manufacturing.



UT305S

Features:

- Wide measurement range, up to 2000°C
- High and low temperature alarm
- Three-color LED and audible alarm
- High D:S ratio, up to 50:1
- MAX/MIN/AVG/DIF modes
- 99 groups of data storage



Specifications	UT305S
Temperature range (°C)	-50°C~2000°C
Temperature range (°F)	-58.0°F~3632°F
Accuracy	±1.0°C or ±1.0%
Repeatability	0.7°C or 0.7%
LCD display	EBTN
High/low temperature LED alarm	√
Trigger lock	√
Resolution	0.1°C
D:S ratio	50:1
Response time	250ms (95% of reading)
Emissivity	0.1~1.0 adjustable
Laser type	Class 2
Laser power	<1mW
Laser wavelength	630nm~670nm
Spectral response	8μm~14μm
Data storage	99
Unit switch	°C/°F
Laser switch	√
Tripod mounting hole	√
Operating temperature and humidity	-5°C~50°C (23°F~122°F), <90%RH (non-condensing)

Characteristics	
Standard accessories	Battery, carrying bag, English manual, gift box
Power	9V Battery (1604S)
Product size	172 x 113.5 x 53mm
Product net weight	310g
Standard quantity per carton	10pcs





UT305C+/A+ Infrared Thermometer

UT305C+/UT305A+ is an infrared thermometer with the advantages of high precision, high distance ratio (55:1), wide range (-50.0°C~ 2200°C), multi-function, rugged and easy to operate. It can be widely used in a variety of industries, and is an ideal and safe non-contact temperature measuring tool.

Features:

- High resolution TFT color LCD
- Infrared professional mode
- Surface heat conduction detection mode
- Surface dew point detection mode
- Surface temperature comparison mode
- Type K thermocouple temperature measurement
- 999 groups of data storage, data output in PDF or CSV format
- Appointment measurement



UT305C+

All the models in this page share the same mold.

Specifications	Range	
Measurement range	Infrared temperature measurement	UT305C+ -50°C~2200°C (-58.0°F~3992°F)
	Ambient temperature	UT305A+ -50°C~1850°C (-58.0°F~3362°F)
Accuracy	Relative humidity	10%RH~90%RH
	Type K thermocouple	-50°C~1370°C (-58.0°F~2498°F)
	Infrared temperature measurement	±1.0°C or ±0.01×t°C (whichever is greater)
	Ambient temperature	±0.5°C (±1.0°F)
	Relative humidity	±5%RH
Distance ratio (D:S)	Type K thermocouple	±(0.005×t+1.5)°C
		55:1
Emissivity	0.1~1.0 (custom adjustment or choose from the built-in material table)	
Spectral response	8μm~14μm	
Repeatability	±0.005×t°C (°F) or 1°C (2°F) (whichever is greater)	
Display resolution	0.1°C (0.1°F)	
Unit conversion	°C/°F	
Laser point	Single laser, output <1mW, class II, 630~670 nm of wavelength	
Data storage	999 groups	
Data output format	PDF, CSV	
Data communication or charging interface	Type-C USB	
Battery	Li-ion 3.7V 2600mAh 18650 rechargeable lithium-ion battery	
Charging time	No more than 3 hours	
Continuous operating time	No less than 20 hours on full charge	
Buzzer alarm	√	
Trigger lock	√	
Appointment measurement	√	
Date and time display	√	
12 or 24-hour clock	√	
LCD resolution	320 x 240 pixels	
Operating temperature and humidity	-10°C~50°C (14°F~122°F), <90%RH (non-condensing)	

Characteristics	
Standard accessories	Type-C data cable, type K thermocouple probe (bead type), gift box, toolbox, user manual
Power	Li-ion 3.7V 2600mAh 18650 rechargeable lithium-ion battery
Display	37 x 49mm
Product size	205 x 65 x 124mm
Product net weight	375g
Standard quantity per carton	1pc



UT306 SERIES

Mini Infrared Thermometers



This infrared thermometer series is robust and easy to use. Users can measure the surface temperature without contacting the object. UT306 series can be used in various fields such as food industry, machine maintenance, metal working, cold storage, and other industrial fields.



UT306S



UT306C

Specifications	UT306S	UT306C
Temperature range	-50°C~500°C	-50°C~500°C
Laser type	single	Ring
Accuracy	±2°C or ±2%	±2°C or ±2%
Resolution	0.1°C	0.1°C
D:S ratio	12:1	12:1
Response time	250ms	250ms
Emissivity	0.10~1.00 Adjustable	0.10~1.00 Adjustable
Laser class	Class 2	Class 2
Laser power	<1mW	<1mW
Laser wavelength	630nm~670nm	630nm~670nm
Spectral response	8μm~14μm	8μm~14μm
Operating temperature and humidity	0°C~50°C (32°F~122°F), <90%RH (non-condensing)	

Features		
Display type	TN-LCD	EBTN-LCD
Unit selection	°C/°F	
Laser on/off	√	
Data hold	√	
Auto power off	√	
Low battery Indication	√	
MAX/MIN/AVG/DIF mode	√	
High temperature alarm (audible)	√	
Drop test	1m	

Characteristics	
Power	1.5V AAA x 2
Product net weight	161.5g
Product size	146 x 78 x 45mm
Standard accessories	Batteries, user manual
Standard quantity per carton	20pcs
Standard carton measurement	515 x 375 x 175mm





UT309 SERIES

Professional Infrared Thermometers



UT309E

UT309 series professional infrared thermometers are designed to meet some of the highest protection ratings in UNI-T's product line, IP65 and 3m drop proof. They are necessary tools for engineers and technicians working in various fields such as electrical distribution inspection, HVACR maintenance, transportation equipment inspection, instrument repair, and many more.

Features:

- IP65 and 3m drop proof
- MAX/MIN/AVG/DIF mode
- More durable, better grip
- High/Low temperature alarm
- Lock measurement/Tripod mounting hole



3m drop proof



IP65

IP65



	High temperature LED indicator
	Low temperature LED indicator

All the models in this page share the same mold.

Specifications	UT309A	UT309C	UT309E
Temperature range (°C)	-35°C~450°C	-35°C~650°C	-35°C~850°C
Temperature range (°F)	-31°F~842°F	-31°F~1202°F	-31°F~ 1562°F
D:S ratio	10:1	12:1	20:1
Emissivity	0.95	0.1~1 adjustable	0.1~1 adjustable
Laser type	Single	Dual	Dual
LCD display	LCD	LCD	Color EBTN
Data storage with date and time			99
Scheduled measurement			√
Monitoring measurement			√
Accuracy (°C)	±1.8°C or ±1.8%		
Accuracy (°F)	±3.6°F or ±1.8%		
Unit switch	°C/°F		
Backlight	√		
Low battery indication	√		
Laser ON/OFF	√		
Resolution	0.1°C		
Response time	250ms (95% of reading)		
Laser type	Class 2		
Laser power	<1mW		
Laser wavelength	630nm~670nm		
Spectral response	8μm~14μm		
IP rating	IP65		
Drop proof	3m		
Operating temperature and humidity	0°C~50°C (32°F~104°F), <90% RH (non-condensing)		

Characteristics	
Standard accessories	Battery, user manual, gift box, carrying bag, blister
Power	9V battery (6F22)
Display	UT309A/C: 32 x 29mm; UT309D: 32 x 32mm
Product size	189 x 118 x 55mm
Product net weight	292g
Standard quantity per carton	10pcs



Environmental Testers

Our environment is seriously affected by the rapid economic growth and industrialization of today's society. Climate change is the toughest obstacle facing humanity today. Environmental indicators such as temperature, humidity, illumination, noise, dust, CO, CO₂ are important data for ensuring a healthy living environment. UNI-T is committed to environmental monitoring by offering professional and comprehensive environmental testers. These meters output audio/visual alerts whenever environment data goes beyond normal/preset range.





A56 BT Bluetooth Temperature Humidity Datalogger

A56 BT Bluetooth Temperature Humidity Datalogger is using high-accuracy digital temperature humidity module as the sensor. The datalogger can satisfy high-accuracy measurement and long-time temperature humidity record requirement in different conditions, widely used in the food processing, cold-chain transportation, storage and etc.

Features:

- Wide range and high accuracy
- Bluetooth APP and PC analysis software
- Audible and visible alarm
- IP54 protection
- 64000 sets of data storage
- Magnetic and wall-mounted design
- Long battery life: 2 years

Specifications

Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Temperature range	-40°C~85°C (-40°F~185°F)	
Humidity range	0%~100% RH	
Temperature	Range	Accuracy
	0°C ≤ t ≤ 60°C	±0.3°C
	-40°C ≤ t < 0°C	±0.5°C
	60°C < t ≤ 85°C	±0.6°F
	32°F ≤ t ≤ 140°F	±0.9°F
Humidity	Range	Accuracy
	0% ≤ RH ≤ 90%	±2.5%RH (25°C)
	90% < RH ≤ 100%	±3.5%RH (25°C)
Temperature/Humidity resolution	0.1°C (0.1°F)/0.1%RH	
Record capacity	64000 sets	
MAX/MIN/AVG	√	
LED indicators	√	
Backlight	√	
Buzzer alarm	√	
PC software	√	
Mobile App	√	
Low battery indication	√	
Unit switch	°C, °F	
Record interval	10s~24h (Set through the PC/App)	
Start-up ways	Buttons/Software/Booking	
Time of screen OFF	15s±2s (Set through the PC/App)	
USB port	USB Type-C	
USB power supply	√	
Working time	2yr	
Hangings way	Rear magnetic or Wall mounting	
Working temperature and humidity	-40°C~+85°C, ≤99%RH	
Storage temperature	-40°C~+85°C (Not battery included)	
IP rating	IP54	

Characteristic

Battery type	Single-use Li-SOCI2 Battery 3.6V 2700mAh (ER14505)
Size	104 x 62 x 25mm
Weight	About 100g (Not battery included)
Standrad accessories	Gift box, quick start guide, safety instruction, download operation guide, battery, wall-mounted Screws x 2, expandable rubber plug x 2, USB cable
Standard quantity per carton	20pcs



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A57 BT

Bluetooth Temperature Humidity Datalogger



A57 BT Bluetooth Temperature Humidity Datalogger is using built-in NTC temperature sensor. It supports connect external temperature and humidity probe, external NTC temperature sensor. The datalogger can satisfy high-accuracy measurement and long-time temperature humidity record requirement in different conditions, widely used in the food processing, cold-chain transportation, storage and etc.

Features:

- Wide range and high accuracy
- Built-in NTC temperature sensor
- Supports external temperature humidity sensor, external NTC temperature sensor (Purchase separately)
- Bluetooth APP and PC analysis software via Type-C
- Audible and visible LED alarm
- IP54 protection
- Magnetic and wall-mounted design
- Long battery life: 2 years



Specifications

Manual language		EN, FR, DE, IT, ES, SV, PL, CZ		
External Temperature Humidity sensor	Temperature	-40°C~85°C (-40°F~185°F)		
	Humidity	0%~100% RH		
	Temperature	Range	Accuracy	
		0°C ≤ t ≤ 60°C (32°F ≤ t ≤ 140°F)	±0.3°C (±0.6°F)	
		-40°C ≤ t < 0°C (-40°F ≤ t < 32°F)	±0.5°C (±0.9°F)	
	60°C < t ≤ 85°C (140°F < t ≤ 185°F)	±0.5°C (±0.9°F)		
Humidity	Range	Accuracy		
0% ≤ RH ≤ 90%	±2.5%RH (25°C)			
90% < RH ≤ 100%	±3.5%RH (25°C)			
Internal NTC Temperature Sensor	Range	-40°C~85°C (-40°F~185°F)		
	Accuracy	0°C ≤ t ≤ 60°C (32°F ≤ t ≤ 140°F)	±0.4°C (±0.8°F)	
		-40°C ≤ t < 0°C (-40°F ≤ t < 32°F)	±1.0°C (±2.0°F)	
60°C < t ≤ 85°C (140°F < t ≤ 185°F)	±1.0°C (±2.0°F)			
External NTC Temperature Sensor	Range	-40°C~85°C (-40°F~185°F)		
	Accuracy	-20°C ≤ t ≤ 40°C (-4°F ≤ t ≤ 104°F)	±0.5°C (±0.9°F)	
		-40°C < t < -20°C (-40°F ≤ t < -4°F)	±1.0°C (±2.0°F)	
40°C < t ≤ 85°C (104°F < t ≤ 185°F)	±1.0°C (±2.0°F)			
Temperature/Humidity resolution		0.1°C (0.1°F)/0.1%RH		
Record capacity		64000 sets		
MAX/MIN/AVG		√		
PC software		√		
Mobile App		√		
Unit switch		°C, °F		
Record interval		10s~24h (Set through the PC/App)		
Start-up ways		Buttons/Software/Booking		
Time of screen OFF		15s±2s (Set through the PC/App)		
Working time		2yr		
Working temperature and humidity		-40°C~+85°C, ≤99%RH		
Storage temperature		-40°C~+85°C (Not battery included)		

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Characteristic

Battery type	Single-use Li-SOCI2 Battery 3.6V 2700mAh (ER14505)
Size	104 x 62 x 25mm
Standrad accessories	Gift box, quick start guide, safety instruction, download operation guide, battery, wall-mounted Screws x 2, expandable rubber plug x 2, USB cable, Temperature and humidity probe
Standard quantity per carton	20pcs





UT362H Hot Wire Anemometer

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ENVIRONMENTAL TESTERS

UT362H Hot Wire Anemometer is an ideal choice for measuring wind velocity, wind temperature and wind volume due to its outstanding stability, security and reliability. It is widely used in the fields of Electric Power, Navigation, Fan Manufacturing, HVAC/R, Outdoor and etc.

Features:

- Split design
- Retractable rod in aluminum alloy
- Platinum resistance sensor
- 99 sets of data storage
- Wind velocity/volume/temperature measurement
- Low wind measurement

Specification			
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
Functions	Range	Accuracy	
Wind velocity measurement	0~30.0m/s	±(4% of reading +0.1m/s)	0~9.99: 0.01 10.0~999.9: 0.1 1000~9999: 1
	0~108.0km/h	±(4% of reading +0.4km/h)	
	0~58.3knots	±(4% of reading+0.2knots)	
	0~5906fpm	±(4% of reading+20fpm)	
	0~67.1mph	±(4% of reading+0.3mph)	
Wind flow (Volume) measurement	0~11bft	±1 bft	1
	0~999900m³/min	/	0.001~100
	0~999900CFM		
0~999900L/s			
Wind temperature measurement	0°C~40°C	±0.5°C	0.1
	-20~0°C or 40~70°C	±0.8°C	0.1
	32~104°F	±0.9°F	0.1
	-4~32°F or 104~158°F	±1.5°F	0.1
Wind pipe forms	Circular, Rectangular, Area		
Units	Sectional area	m², ft²	
	Wind flow	m³/min, CFM, L/s	
	Wind velocity	m/s, km/h, fpm, mph, knots, bft	
	Wind temperature	°C/°F	
Power-on warm-up time	5s		
Measuring mode for wind velocity	Fast or Slow		
Data hold	√		
Statistical measurement	MAX/MIN/Timing Mean/Multipoint Mean		
Data storage	99 sets		
LCD backlight	√		
Auto power off	√		
Flexible probe length	120cm		
Operating temperature and humidity	0~40°C, ≤80%RH		
Storage temperature and humidity	-20~60°C, ≤80%RH		



Characteristics	
Battery	1.5V (AAA) x 3pcs
Product size	180.3 x 63.0 x 40.1mm (Only the machine body)
Product net weight	About 312g, not battery included
Standard accessories	Gift box, quick start guide, safety instruction, cloth bag, AAA Alkaline Battery x 3
Standard quantity per carton	5pcs

UT337B

Particle Counter



UT337B Air Particle Counter counts dust particles and size distribution in the clean environment, widely used in the Electronics Industry, Workshop, Optical or Precision Machining, Hospitals, Environmental Protection Places, etc.

Features:

- Number of particle diameter channels: 6
- Temperature/Humidity//Dew point/Wet bulb temperature measurement
- Temperature and humidity measurement
- APP connection via WiFi and PC software connection
- Camera function
- Rechargeable lithium battery

Specifications		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Number of particle diameter channels	6	
Particle channels	0.3µm, 0.5µm, 1.0µm, 3.0µm, 5.0µm, 10.0µm	
Sampling flow	2.83L/min	
Concentration of greatest number of particles-Superposition Error	2,000,000 particles/ft ³ , with superposition error 5%	
Counting efficiency	0.3µm, 50% >0.45µm, 100%	
Particles count	Continuous measurement	√
	Manual measurement	√
	Automatic measurement	√
	Count	Σ(SUM) Δ(DELTA)
	Sampling site	0~999
	Sampling times	1~999 times (Factory default setting is 3 times)
	Time (Single sampling)	1s~1h
	Time interval (Single sampling)	0s~24h
	Delay time of first sampling	0~300s
Alarm setup	ISO5~9	
Filtration efficiency	Measuring channels	0.3µm, 0.5µm, 1.0µm, 3.0µm, 5.0µm, 10.0µm
Mass concentration	Range	0~1,000µg/m ³
	Measuring channels	PM2.5, PM10
Temperature	Range measurement	-10~60°C
	Accuracy	±0.5°C
Humidity	Range measurement	0~99%RH
	Accuracy	±3%RH: 40~60%RH, ±3.5%RH: 20~40%RH/60~80%RH ±5.0%RH: 0~20%RH/80~100%RH
Dew point/Wet bulb temperature	Range measurement	-10~60°C
	Accuracy	±0.5°C: 10~40°C, ±1°C:
Zero count		√ (Count once/5 mins)
Data storage		5000
Data output		QR code, APP and PC software
Brightness		Adjustable
Buzzer		ON/OFF
Language switch		√ (Chinese/English)
Date/Time		√ (Hour: 12 hours, 24hours (Default))
Date calibration		√
Photo capturing		√ (4 pictures with single data record)
PC software		√ (Type-c)
Phone APP		√ (WiFi)
Battery		7.4V chargeable Li-ion battery (2800mAh)
Operating temperature and humidity		0~50°C, <90%RH (RH)



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UT325F

4-Channel Thermometer

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UT325F 4-Channel Thermometer is a high- accuracy digital thermometer that uses a thermocouple as the temperature probe.

Features:

- 7 types of thermocouples
- Set the thermocouple type of each channel separately
- Temperature difference
- Offset value compensation
- 72000 sets of data storage
- PC software and Bluetooth APP connection



Model	UT325F	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Thermocouple types	Type K, J, T, E, R, S and N	
Measuring range	Type K thermocouple	-200.0°C~1372°C (-328.0°F~2501°F)
	Type J thermocouple	-210.0°C~1200°C (-346.0°F~2192°F)
	Type T thermocouple	-250.0°C~400.0°C (-418.0°F~752.0°F)
	Type E thermocouple	-150.0°C~1000°C (-238.0°F~1832°F)
	Type R thermocouple	0°C~1767°C (32°F~3212°F)
	Type S thermocouple	0°C~1767°C (32°F~3212°F)
	Type N thermocouple	-200.0°C~1300°C (-328.0°F~2372°F)
Display resolution	0.1°C/°F/K (<1000), 1.0°C/°F/K (≥1000)	
Accuracy	±(0.2%+0.5°C), ±(0.2%+0.9°F)	
Response time	About 500ms	
Measurement functions	Unit selection	°C/°F/K
	Data hold	√
	Auto power off	√
	Measurement modes	MIN/MAX/AVG
	Temperature difference	√
	Timing measurement	1s-24h adjustable
	System functions	Data recording
	Backlight	Turn on/off
	Data transmission	Type-C USB, Bluetooth
	Battery status	√
Drop proof	1m	
Data storage	72,000 groups	
Operating temperature	-10°C~50°C (14°F~122°F)	

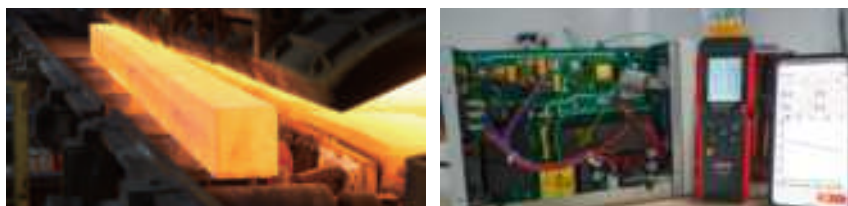


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Characteristic	
Standard accessories	1.5V AAA battery x 3, Type-C charging cable, Type K thermocouple x 4, Cloth bag, Manual, Safety instructions
Product size	225 x 64.5 x 39.8mm
Power	3 x AAA alkaline zinc-manganese battery
Display size	36 x 49mm
Standard individual packing	Gift box



UT310A SERIES

Vibration Testers



This is a handheld vibration tester which consists of acceleration sensor and digital display circuit. It is an ideal inspection tool which mainly used to measure vibration acceleration, velocity and displacement of mechanical equipment.

Multiple probes:



Short probe U-type magnetic sucker (UT312A only) Long probe



UT311A All in one

UT312A Split type

Models	UT311A		UT312A	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
Parameter	Range	Frequency	Resolution	Accuracy
Acceleration (PEAK)	0.1-199.9m/S ²	LO: 10Hz-1kHz HI: 1kHz-15kHz	0.1m/s ²	±(5%+2dpts)
Velocity (RMS)	0.1-199.9mm/s	10Hz-1.5kHz	0.1mm/s	
Displacement (P-P)	0.001-1.999mm	10Hz-1kHz	0.001mm	±(10%+2dpts)
Automatically rotatable screen	√			
High/Low frequency acceleration	√			
Datahold	√			
Flashlight	√			
LCD type	2.4" TFT color screen, full view			
LCD backlight	√			
Auto power off	5 minutes without operation			
Battery type	1350mAh/3.7V lithium battery			
Charging interface	Type-C			
Charging time	About 3h			
Battery duration	About 12h			



Characteristic	UT311A	UT312A
Standard accessories	Long and short probe, U-type magnetic sucker (UT312A only), USB-C charging cable, User manual, Safety instructions	
Product size	180 x 28 x 64mm (including the short probe)	168 x 28 x 64mm
Product weight	About 191g (including the short probe)	About 364g (including the short probe)
Standard quantity per carton	5pcs	





UT320T

2 in 1 Thermometer

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ENVIRONMENTAL TESTERS

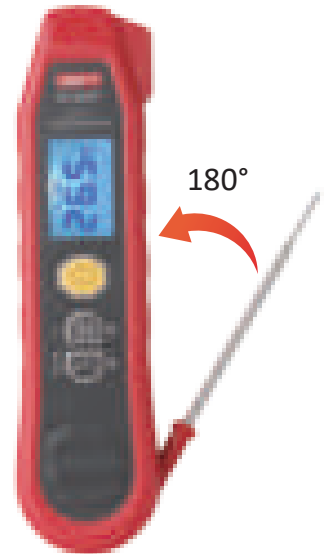
UT320T is a thermometer that combines infrared sensor and collapsible probe. Infrared measurement is used to quickly scan the surface temperature of an object and probe measurement can accurately measure the internal temperature.



2m drop proof



IP54



Model		UT320T	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
Infrared measurement	Measuring range	-40°C~300°C (-40°F~572°F)	
	Temperature	Range	Accuracy
		-40°C≤t≤0°C:	±(1.5+0.1× t)°C
	0°C<t≤300°C:	±2.0°C or ±0.02×t°C whichever is greater	
	Distance to spot ratio (D: S)	8:1	
	Emissivity	Adjustable (0.1~1.0)	
	Response time	≤500ms (95% of reading)	
Laser	Class 2, single laser, power<1mW, wavelength 650±20nm		
Operating time	About 30h (laser and backlight on)		
Probe measurement	Measuring range	-40°C~300°C (-40°F~572°F)	
	Accuracy	Range	Accuracy
		-40°C≤t<0°C:	±2.0°C
	0°C<t≤300°C:	±1.0°C or ±0.01×t°C whichever is greater	
	Probe type	NTC	
	Minimum measuring depth	12.7mm	
Display size	18 x 28mm		
Operating time	About 180h (backlight on)		
Operating temperature	0°C~50°C (32°F~122°F)		
Storage temperature	-20°C~60°C (-4°F~140°F)		
Operating humidity	<90%Rh (non-condensing)		
Auto power off time	10min		
Data hold	√		
Lock measurement	√		
Unit conversion (°C/°F)	√		
Max/Min/Difference	√		

Characteristics	
Power supply	1.5V AAA battery x 2
Product size	155 x 42 x 22.5mm
Product net weight	About 110g
Standard accessories	User Manual, 1.5V AAA battery x 2, Safety instructions
Standard quantity per carton	20pcs



UT381A

Illuminance Meter



UT381A is a safe and reliable digit light meter with wide range measurement. This meter measure light intensity and display results in lux or Fc. It is widely used in lighting applications, laboratory, office, street lights construction, commercial venue and others.

Features:

- Wide measurement range: 0~400000 lx
- Probe of integrated, split and rotatable design
- Data storage
- Bluetooth APP connection supported
- Color Correction Coefficient (CCF)
- Real-time display



Model	UT381A	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Range	0~400000 lx	
Resolution	0~99.99 lx (99.99 fc)	0.01lx (0.01 fc)
	100~999.9 lx (999.9 fc)	0.1 lx (0.1fc)
	1000~400000 lx (37160 fc)	1 lx (1fc)
Accuracy	±3% calibration as per standard light source when in 2856K. ±6% calibration as per other visual light source.	
Unit switch	lx, fc, 1fc=10.764 lx	
Auto range switch	√	
Data hold	√	
Color correction coefficient (CCF)	√	
Backlight	√	
Bluetooth APP	√	
Data record	99 sets	
Record Interval	1~59 seconds	
Measuring methods of probe	Integrated (rotatable), split design	
Real-time	Time is automatically updated with manual setting or phone APP connection.	
Over-range Indication	OL display	
Battery life	Over 100 hours (Alkaline batteries, Bluetooth and Backlight is off.)	
Working temperature and humidity	-10°C~50°C, <90%Rh (non-condensing)	
Storage temperature and humidity	-20°C~70°C, <80%Rh (non-condensing)	

Characteristic	
Power supply	AAA battery x 3
Product size	178 x 64.5 x 39.8mm
Product net weight	257g
Standrad accessories	Quick Start Guide, AAA battery x 3, Safety instructions, Type-C charging cable, Strap
Standard quantity per carton	5pcs

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UT315A

Vibration Testers

UT315A handheld vibration testers can measure displacement, velocity, and acceleration of rotating and reciprocating machinery. Technicians can use these to monitor equipment status and ensure normal operation.

Features:

- Measures acceleration, velocity, displacement
- Multiple probes: long probe, short probe, magnetic sucker
- PC software connection via USB cable
- Highly accurate and precise



UT315A

Specifications	UT315A
Acceleration (O-P)	0.1~199.9m/s ² ; Frequency response: 10Hz-10kHz Accuracy: ±(5%+0.2m/s ²)
Velocity (RMS)	0.01~19.99cm/s; Frequency response: 10Hz~1kHz Accuracy: ±(5%+0.02cm/s)
Displacement (P-P)	0.001~1.999mm; Frequency response: 10Hz~500Hz Accuracy: ±(5%+0.002mm)

Characteristics	
Power supply	9V battery
Product size	166 x 80 x 30mm
Product net weight	395g
Standard accessories	User manual, 9V battery, long probe, short probe, magnetic sucker
Standard quantity per carton	1pc



UT320 SERIES

Mini Contact Type Thermometers



UT320A and UT320D are single and dual channel contact type thermometers respectively. These highly accurate thermometers have a wide temperature range. UT320D can also calculate the temperature difference of its two channels. UT320 can be used with any K or J temperature probe.

Features:

- Supports Type K and Type J thermocouple probes
- Mini design, easy to carry
- 1 meter drop proof
- MAX/MIN/AVG
- °C/°F selection



UT320A (Single Channel)



UT320A (Dual Channel)



UT320A



UT320D

Specifications	Range	UT320A	UT320D
Temperature measurement (K)	-50°C~1300°C	±(0.5%+1)	±(0.5%+1)
Temperature measurement (J)	-50°C~1200°C	±(0.5%+1)	±(0.5%+1)
Display mode		Single	Dual
Difference measurement (T1-T2)			√
Operating temperature	0°C~40°C		
Operating humidity	≤80%RH		

Characteristics	
Standard accessories	K-type temperature probe, batteries, English manual, Gift box
Power	1.5V battery (R03) x 3
Display	37.4 x 36.4mm
Product size	120 x 53 x 28mm
Product net weight	60g
Standard quantity per carton	20pcs
Standard carton measurement	332 x 225 x 200mm
Standard carton gross weight	3.4kg





UT325

Contact Type Thermometer

UT325 contact type thermometer provide fast, accurate, and precise temperature measurement with thermocouple temperature probes. Users can select single or dual input, record, and analyze data through PC software. UT325 can be used with a variety of temperature probes, satisfying multiple applications.

Features:

- Auto calibration
- PC software connection via USB cable
- MAX/MIN/AVG
- °C/°F selection



UT325

Specifications	Range	Accuracy	
Single or dual input	Dual		
Temperature probe type	Type K	-200°C~1372°C (-328°F~2501°F)	±(0.2%+0.6)
	Type J	-210°C~1200°C (-346°F~2192°F)	±(0.2%+0.6)
	Type T	-250°C~400°C (-418°F~752°F)	±(0.2%+0.6)
	Type E	-150°C~1000°C (-238°F~1832°F)	±(0.2%+0.6)
	Type R	0°C~1767°C (32°F~3212°F)	±(0.2%+2)
	Type S	0°C~1767°C (32°F~3212°F)	±(0.2%+2)
	Type N	-200°C~1300°C (-328°F~2372°F)	±(0.2%+1.5)
Resolution	0.1°C (When value>999.9°C: 1°C)		
Data storage	100		
High/low alarm	√		
High/low signal output	√		
Operating temperature	-10°C to 50°C (1°F to 122°F)		
Storage temperature	-40°C to + 60°C (-14°F to +140°F)		

Characteristics	
Standard accessories	Battery, USB interface cable, K-type temperature probe, English manual, Gift box
Power	USB or 9V battery (6F22)
Display	30 x 32mm
Product size	175 x 85 x 30mm
Product net weight	270g
Standard quantity per carton	10pcs
Standard carton measurement	405 x 290 x 165mm
Standard carton gross weight	4.3kg



UT330+ SERIES

Temperature Humidity Meters



UT330+ series meters measure temperature and humidity with low power consumption and high precision. The measured data can be saved and exported to PC software for further analysis. These meters can be used in factories, food, health, environmental protection, and other fields.

Features:

- Temperature and humidity offset settings
- Dew point measurement and offset settings
- Wet-bulb measurement and offset settings
- PC software connection via USB cable
- USB cable for power supply
- Auto record time set up
- MAX/MIN/HOLD



UT332+

Specifications	Range	UT331+	UT332+
Temperature	-20°C~70°C	±0.5°C	±0.3°C
Resolution	0.1°C	√	√
Humidity	0%RH~100%RH	±3%RH	±2%RH
Resolution	0.1%RH	√	√
Data storage		299	999

Characteristics

Standard accessories	Batteries, USB interface cable, English manual, Gift box, carrying bag
Power	1.5V battery (R03) x 4
Display	26.5 x 35.5 mm
Product size	185 x 54.8 x 33.8mm
Product net weight	130g
Standard quantity per carton	10pcs
Standard carton measurement	280 x 275 x 230mm
Standard carton gross weight	3.7kg





UT337A CO Meter

UT337A is a portable meter for detecting carbon monoxide gas. It can measure a wide range of CO concentration with short response time. Users can set up both audio and visual alarm. UT337A can be used in homes, restaurants, indoor parking lots, heating facilities, office buildings, and any other locations where combustion takes place.

Features:

- Self-calibrated sensor
- Display current CO concentration and Max concentration at the same time
- Calibration function, adjustable zero point for temperature compensation
- High/low audible and visual alarm
- °C/°F selection
- LCD backlight



UT337A

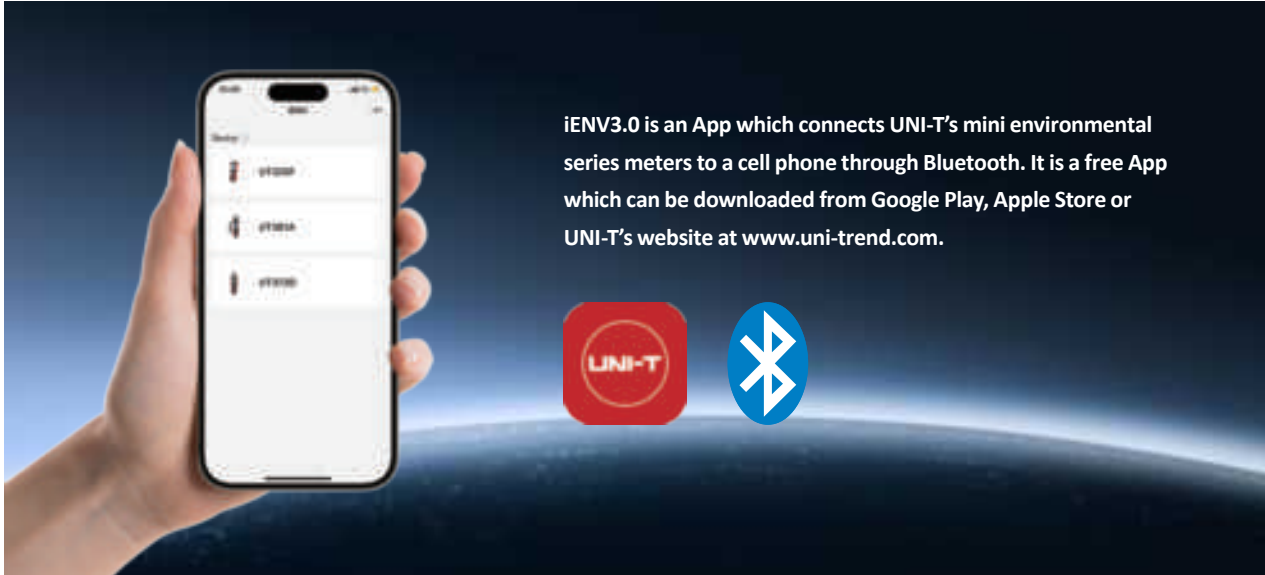
Specifications	Range	
CO range	0~1000ppm	
CO accuracy	20±5°C	±5% or 5ppm (whichever is greater)
	0°C~+40°C	±10% or 5ppm (whichever is greater)
	+40°C~+50°C	±10% or 10ppm (whichever is greater)
CO resolution	1ppm	
Response time	<60s (90% readouts)	
Sensor type	Electrochemical	
Sampling method	Diffusion	

Characteristics	
Standard accessories	Batteries, Gift box, English manual
Product size	197 x 54.8 x 33.8mm
Product net weight	140g
Standard quantity per carton	60pcs
Standard carton measurement	565mm x 430mm x 235mm (0.057CBM per standard carton)
Standard carton gross weight	15.6kg



iENV3.0

Bluetooth APP



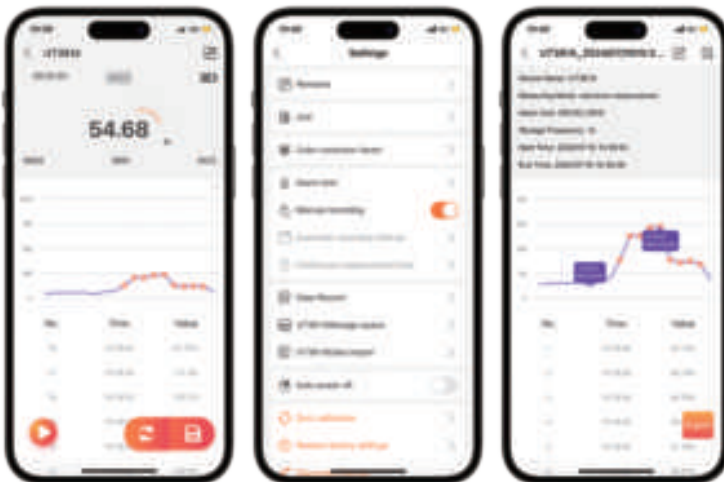
Wireless. Real-Time. Data Export.

All setting, respond immediately



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Main Measurement Interface

Parameter Setting

Report Exporting



Supported models:
UT333BT, UT353BT, UT363BT, UT383BT,
UT381A, UT325F, UT372D, UT337B, UT336P,
UT336V, UT336E





UT333/UT333BT

Mini Temperature Humidity Meters

UT333/UT333BT temperature humidity meters can measure, process data, and display results on LCD. UT333BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and data export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.

Features:

- Mini design, easy to carry
- MAX/MIN/HOLD
- °C/°F selection
- LCD backlight



UT333BT



iENV (UT333BT)

Specifications	UT333	UT333BT
Temperature range	-10°C~60°C/14°F~140°F	-10°C~60°C/14°F~140°F
Temperature accuracy	±1°C/±2°F	±1°C/±2°F
Temperature resolution	0.1°C/0.2°F	0.1°C/0.2°F
Humidity range	0%RH~100%RH	0%RH~100%RH
Humidity accuracy	±5%RH	±5%RH
Humidity resolution	0.1%RH	0.1%RH
Sampling rate	1/s	1/s
Bluetooth APP		√
Overload indication	√	√
Auto power off	5 min	5 min
Low battery indication	3V~3.5V	3V~3.5V
Working temperature and humidity	0°C~40°C (not greater than 90%RH)	

Characteristics	
Standard accessories	Batteries, English manual
Power	1.5V battery (R03) x 3
Display	32 x 26mm
Product size	155 x 50 x 28mm
Product net weight	102g
Standard individual packing	Blister
Standard quantity per carton	UT333: 40pcs; UT333BT: 20pcs
Standard carton measurement	UT333: 505 x 330 x 280mm; UT333BT: 332 x 262 x 290mm
Standard carton gross weight	UT333: 8kg; UT333BT: 4.2kg

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UT330 SERIES

USB Dataloggers



The USB temperature and humidity data logger has the characteristics of high accuracy, large storage capacity, auto save, USB data transmission, time display and PDF export. It can meet the requirements of various measurements and long-term temperature and humidity recording, and can be used in food processing, cold chain transportation, warehousing and other fields.

Features:

- 64000 groups of data storage
- Adjustable logging interval
- Alarm threshold and mode setup
- Auto record time setup
- LED alarm
- °C/°F selection
- PC software connection via USB interface
- Mobile APP connection via Type-C interface (Only UT330THC)
- IP65 (Only UT330THC)



UT330T

UT330TH

UT330THC

Get the FREE UT330THC APP!

By using the UT330THC, you can efficiently capture, store, and share testing data via Type-C interface.



Specifications		UT330T	UT330TH	UT330THC
	Range			
Temperature (°C)	-30.0°C~-20.1°C	±0.8°C		
	-20.0°C~-40.0°C	±0.4°C	±0.4°C	±0.4°C
	40.1°C~70.0°C	±0.8°C		
Humidity (%RH)	0-99.9%RH		±2.5%RH	±2.5%RH
IP rating		IP65		
Resolution		0.1°C	Temperature: 0.1°C, humidity: 0.1%RH	Temperature: 0.1°C, humidity: 0.1%RH
Working environment	-30°C~70°C, ≤99%, non-condensable			

Characteristics	
Power	Button cell CR2032
Product size	UT330T: 38 x 96 x 14mm, UT330TH/UT330THC: 38 x 105 x 14mm
Standard individual packing	Blister, color card, user manual, download guide, battery, screw x2, holder
Standard quantity per carton	40pcs





UT333S

Digital Temperature Humidity Meter

UT333S is a stable, safe and reliable mini digital temperature humidity meter. With split type design, it is convenient to measure the temperature accurately in different environments. It is widely used in grain storage and transportation, material management, forestry and animal husbandry, healthcare, education, and home.

Features:

- Perfect for monitoring hard to reach places and small ventilation ducts due to split design
- °C/°F selection
- MAX/MIN/HOLD
- Mini design, easy to carry



UT333S



Specifications	Range	Resolution	Accuracy
Temperature	-10°C~60°C/14°F~140°F	0.1°C/0.2°F	±1°C/±2°F
Humidity	0%RH~100%RH	0.1%RH	±5%
Operating environment	Indoor 0°C~40°C (<90%RH)		

Characteristics	
Standard accessories	Batteries, English manual, Gift box
Power	1.5V battery (R03) x 3
Display	32 x 35mm
Product size	110 x 53 x 26mm
Product net weight	310g
Standard quantity per carton	20pcs
Standard carton measurement	480 x 300 x 360mm
Standard carton gross weight	6.7kg



UT343A

Coating Thickness Gauge



UT343A is used to measure the thickness of plated and coated sheets on ferrous/non-ferrous metal. It can measure coating thickness up to 1750 μ m. Applications include: manufacturing industry, metal-processing industry, chemical industry, commodity inspection, laboratory, workshop and outdoor.



UT343A

Specifications	Range
Measuring range	0~1750 μ m
Accuracy	$\pm(3\%H+1)\mu$ m
Measurement methods	Single/continuous
Measurement mode	MAX/MIN/AVG
Metal type	Ferrous/ non-ferrous

Features	
Display type	EBTN display
LCD brightness control	√
Rotatable screen	√
Unit conversion	μ m/mil
Rotatable screen	√
LED alarm	√
Data storage	199 sets
Auto power off	√
Low battery indication	√
Calibration	√

Characteristics	
Power	1.5V battery (LR03) x 2
Product color	Red and grey
Product net weight	About 111g
Product size	117mm x 53mm x 37mm
Standard accessories	User manual, standard coating thickness sheets, ferrous matrix and non-ferrous matrix, sensor protective cover, hand strap, USB cable, battery





UT343D/UT343E

Coating Thickness Gauge

UT343D/UT343E coating thickness gauge can measure coating thickness on ferrous and non-ferrous materials. It can be widely used in manufacturing, metal processing, chemical industry, commodity inspection and other detection areas.

Features:

- Auto rotatable screen
- Tri-color LED and audible alarm
- Multiple measurement modes
- High and low limit settings
- Conductive coating measurement
- PC software connection

Specifications	UT343D	UT343E
Measurement range	0~1250μm	0~2000μm (0~78.7mil)
Accuracy	±(3%+1)μm	±(2%+2)μm
Resolution	0.1μm (0~99.9μm) 1μm (100~1250μm)	0.1μm (0~99.9μm) 1μm (100~2000μm)
Data storage	500 sets	3300 sets
Application	Measuring Non conductive coating of FE or NFE	Measuring Non conductive coating of FE or NFE and conductive coating of FE
Bluetooth and App function		√
Power supply	1.5V AA battery x2	3.7V 1300mAh Lithium battery
Voice broadcast	√	
Measurement method	Single/continuous	
Display screen	2"color TFT screen	
Metal type	Ferrous/non-ferrous	
PC software analysis	√	
Calibration	√	
Auto rotatable screen	√	
Unit conversion	μm/mil	
LED /Audio alarm	√	
Statistical measurement	Max/Min/Avg	
Matrix identification modes	Auto/manual	
Flashlight	√	
LCD brightness control	√	
Auto power off	5 minutes	
Low battery indication	√	

Characteristics	
Standard accessories	User manual, standard coating thickness sheets, ferrous matrix and non-ferrous matrix, sensor protective cover, hand strap, USB cable, battery
Product size	UT343D: 153.5 x 64.5 x 41mm; UT343E: 152 x 65 x 35mm
Product net weight	UT343D: 175g; UT343E: 180g
Standard quantity per carton	10pcs



UT343D



UT343E



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UT347A

Leeb Hardness Tester



UT347A Leeb Hardness Tester features high accuracy, small size and easy operation. It supports thermal printing and is especially suitable for field hardness testing of large equipment such as roller turboshaft, pressure vessel and turbine set. It is widely used in petrochemical, electric power, automobile, shipbuilding, machinery manufacturing and other industries.



UT347A



Statistic



Multi Mode



Linec Mode



Histo Mode



Strength Mode



Features

- 6 hardness scales (HL, HB, HRC, HRB, HV, HS) for real-time measurement
- 7 optional impact devices
- Automatic identification without calibration when replacing impact device
- 4 measurement modes: statistical, multi-unit, line chart, histogram
- Camera: 640 x 480 pixels
- Mobile phone Bluetooth APP and PC software analysis data
- Support thermal printing
- Automatic alarm when the upper and lower limits are exceeded
- Tri-color LED indication and LED flashlight



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Tester APP!



Functions	Impact device type	Standard Richter block hardness value	Resolution	Error value	Indication repeatability	Instructions
Hardness measurement	D	790±40HLD 530±40HLD	1HLD	±6HLD ±10HLD	6HLD 10HLD	Standard hardness blocks: 1. Standard type-D Richter hardness blocks grade A, uniformity ±1HLD; 2. Standard type-G Richter hardness blocks, grade A, uniformity ±1HLG;
	DC	790±40HLDC 530±40HLDC	1HLDC	±6HLDC ±10HLDC	6HLDC 10HLDC	
	DL	894±40HLDL 736±40HLDL	1HLDL	±12HLDL	12HLDL	
	D+15	795±40HLD+15 544±40HLD+15	1HLD+15	±12HLD+15	12HLD+15	
	G	590±40HLG 500±40HLG	1HLG	±12HLG	12HLG	
	E	755±40HLE 508±40HLE	1HLE	±12HLE	12HLE	
	C	851±40HLC 590±40HLC	1HLC	±12HLC	12HLC	
Measuring range	170-960 HLD					
Display	2.8-inch 320 x 240 graphic dot matrix color TFT screen.					
Camera	Pixels: 640 x 480					
Material selection	Steel and cast steel, alloy tool steel, stainless steel, forged steel, cast aluminum alloy, copper zinc alloy, copper tin alloy, gray cast iron, nodular cast iron, pure copper					
Hardness scale	HL, HB, HRC, HRB, HV, HS					
Strength unit	σb (tensile strength)					
Impact direction	0°, 45°, 90°, 135° and 180°					
Measurement modes	Statistical, multi-unit, line chart, histogram					
Alarm	Red, green, yellow LED					
Statistical measurement	Max/Min/Avg					
Thermal printing	The width of thermal printing paper is 57mm					
Data storage	900groups					
Voice prompt	√					
Bluetooth APP function	√					
USB communication	√					
PC analysis software	√					
Low battery indication	√					
Auto power off	1/5/10/30 minutes or cancel					
External power source	Power adapter requirements: DC5V 2A Type-C connector					
Charging time	2~4h					
Operating temperature	0~40°C ≤80%RH					
Storage temperature	10~50°C ≤75%RH					
Drop test	1m					

Characteristics

Standard accessories	Type-D impact device, Nylon brush, Type-C USB cable, user manual, Download guideline, printing paper, toolbox
Power	3.7V 2500mAh lithium battery
Display	2.8-inch
Product size	95 x 198 x 70mm
Product net weight	5.5kg
Standard quantity per carton	1pc



UT352

Sound Level Meter



UT352 sound level meter can measure noise level and output results in dB. A or C weighted modes can be selected depending on the application. UT352 consume very little power and can continuously work up to 20 hours. They are suitable for industrial and environmental sound level measurements.

Features:

- Powered by batteries or external power source
- MAX/MIN/HOLD
- A (ear)/C (machine) weighted modes
- Auto power off (cancelable)
- Data storage
- Simulated analog bar
- Over range indication
- Manual/auto range selectable



UT352

Specifications	UT352
Range	30~130dB
Accuracy	±1.5dB
Frequency	31.5Hz~8000Hz
Frequency weighting	A&C
Sampling rate (Fast)	8 times/s
Sampling rate (Slow)	1 time/s
Data storage	63
Analog outputs (AC)	0.707Vrms full scale; Output impedance: around 600Ω
Analog outputs (DC)	2Vrms full scale; 10mV/dB; Output impedance: around 100Ω

Characteristics	
Standard accessories	Windscreen, leather box, English manual, battery
Power	1.5V battery (LR6) x 4
Display	53 x 41mm
Product size	273 x 70 x 39mm
Product net weight	330g
Standard quantity per carton	10pcs
Standard carton measurement	670 x 415 x 120mm
Standard carton gross weight	7.3kg





UT353/UT353BT

Mini Sound Level Meters

meters.uni-trend.com

ENVIRONMENTAL TESTERS

UT353/UT353BT mini digital sound level meters measure noise and display results on LCD. These meters can constantly monitor noise level. UT353BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.

Features:

- Mini design, easy to carry
- Adjustable sampling rate
- MAX/MIN/HOLD
- Using micro condenser microphone
- LCD backlight
- Low battery indication



UT353BT



iENV (UT353BT)

Get the FREE iENV APP!

By using the iENV App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.



Specifications	UT353	UT353BT
Noise (A weighted)	30~130dB	30~130dB
Accuracy	±1.5dB	±1.5dB
Resolution	0.1dB	0.1dB
Sampling rate	Fast: 125ms; Slow: 1000ms	Fast: 125ms; Slow: 1000ms
Frequency range	31.5Hz~8kHz	31.5Hz~8kHz
Bluetooth APP		√

Characteristics	
Standard accessories	Batteries, windscreen, English manual
Power	1.5V battery (R03) x 3
Display	32 x 26mm
Product size	150 x 52 x 27mm
Product net weight	116g
Standard individual packing	Blister
Standard quantity per carton	UT353: 40pcs; UT353BT: 20pcs
Standard carton measurement	UT353: 505 x 330 x 280mm; UT353BT: 367 x 262 x 290mm
Standard carton gross weight	UT353: 8.42kg; UT353BT: 4.2kg



UT360 SERIES

Anemometers



UT360 series anemometers can measure temperature, wind speed, and wind count. These meters can be used in energy saving, HVAC, fishing and other industries that use exhaust or ventilation systems.

Features:

- Unit switch
- Wind count measurement
- Spilt type design
- PC software connection via USB interface(Only UT362)
- MAX/MIN/HOLD
- Auto record time setup
- Data storage



UT362

Specifications	Range	UT361	UT362
Wind speed measurement	2m/s~10m/s 10m/s~30m/s	±(3%+0.5) ±(3%+0.8)	±(3%+0.5) ±(3%+0.8)
Wind count measurement (CMM)	0.001~9999 x 100		
Wind count measurement (CFM)	0.001~9999 x 100		
Temperature measurement	0°C~40°C (32°F~104°F)	±3°C (±4°F)	±3°C (±4°F)
Display count		10000	10000
Data storage		2044	2044
USB interface			√

Characteristics

Standard accessories	Battery, USB interface cable (UT362), software(UT362), English manual, Gift box
Power	9V battery (6F22)
Display	57 x 37mm
Product size	162 x 78 x 30mm
Product net weight	375g
Standard quantity per carton	10pcs
Standard carton measurement	460 x 335 x 210mm
Standard carton gross weight	6.8kg





UT363/UT363BT

Mini Anemometers

UT363/UT363BT are mini wind speed and temperature meters. UT363 and UT363BT can measure wind speeds up to 30m/s. UT363BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store or UNI-T's website by searching 'iENV2.0'.

Features:

- Mini design, easy to carry
- Wind chill notification and Beaufort scale display
- MAX/AVG/HOLD
- LCD backlight
- Temperature measurement
- Unit switch



UT363BT



iENV (UT363BT)
(UT363BT)

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By using the iENV App, you can efficiently capture, store, and share testing data and then share the testing report with your colleagues, thereby improving your efficiency.



Specifications	UT363	UT363BT
Wind speed	0~30m/s	0~30m/s
Wind speed accuracy	±(5%+0.5)	±(5%+0.5)
Wind speed resolution	0.1m/s	0.1m/s
Temperature	-10~50°C/14~122°F	-10~50°C/14~122°F
Temperature accuracy	±2°C/±4°F	±2°C/±4°F
Temperature resolution	0.1°C/0.2°F	0.1°C/0.2°F
Wind scale	Level 0~12	Level 0~12
Wind scale accuracy	±1	±1
Sampling rate	0.5s	0.5s
Bluetooth APP		√

Characteristics	
Standard accessories	Batteries, English manual, Blister
Power	1.5V battery (R03) x 3
Display	32 x 26mm
Product size	160 x 50 x 28mm
Product net weight	118g
Standard quantity per carton	UT363: 40pcs; UT363BT: 20pcs
Standard carton measurement	UT363: 505 x 330 x 280mm; UT363BT: 332 x 262 x 290mm
Standard carton gross weight	UT363: 8.42kg; UT363BT: 4.2kg



UT363S

Digital Anemometer



UT363S is a stable, safe and reliable split-type anemometer, featuring quick detection, low consumption and high accuracy. It can be widely used in mining, electrical, iron and steel, petrochemical, energy-saving, navigation, fan manufacturing, exhaust ventilation, sporting and more sectors.

Features:

- Mini design, easy to carry
- Split type design
- MAX/MIN/AVG/HOLD
- LCD backlight
- Temperature measurement
- Unit switch



UT363S

Specifications	Range	Accuracy
Wind speed	0.4~30m/s	±(5%+0.5m/s)
	1.4~108km/h	±(5%+1.5km/h)
	78~5905ft/min	±(5%+100ft/min)
	0.7~58knots	±(5%+1knots)
	0.8~67mph	±(5%+1mph)
Temperature	-10~50°C/14~122°F	±2°C/±4°F
Wind scale	0~12	±1
Sampling rate	0.5s	
Units	m/s, km/h, ft/min, knots, mph, °C/°F	
Working temperature	0°C~40°C	

Characteristics

Standard accessories	Batteries, English manual, Gift box, Blister
Power	1.5V battery (R03) x 3
Display	35 x 32mm
Product size	120 x 53 x 43mm
Product net weight	365g
Standard quantity per carton	20pcs
Standard carton measurement	550 x 295 x 350mm
Standard carton gross weight	7.2kg





UT366A

Digital Manometer

UT366A is an instrument for measuring gauge pressure and differential pressure. UT366A can measure P1/P2 pressure independently with LED indication. It can be widely used in industrial manufacturing, HVAC, plumbing and other industries. Combined with an optional pitot tube, UT366A can also measure wind speed.

Features:

- Mini design, easy to carry
- Wind speed measurement by connecting pitot tube
- LED Indicator Lights
- P1/P2 measure independently

Specifications	UT366A
Measurement range	Resolution
0.00~±15.00 kPa	0.01 kPa
0.0~±150.0 mbar	0.1 mbar
0.000~±0.150 bar	0.001 bar
0.000~±2.175 psi	0.001 psi
0.0~±112.5 mmHg	0.1 mmHg
0.00~±60.29 inH ₂ O	0.01 inH ₂ O
0.000~±4.429 inHg	0.001 inHg
0.00~±34.80 ozin ²	0.01 ozin ²
0.000~±0.152 kgcm ²	0.001 kgcm ²
0.000~±5.026 ftH ₂ O	0.001 ftH ₂ O
0.0~±1531 mmH ₂ O	1mmH ₂ O
0.0~±150.0 hPa	0.1 hPa
0.0~19999.9 m/s	0.1 m/s
0~199999 fpm	1 fpm
Accuracy	±0.5% FS@25°C
Unit conversion	kPa, mbar, bar, psi, mmHg, inH ₂ O, inHg, ozin ² , kgcm ² , ftH ₂ O, mmH ₂ O, hPa, m/s (fpm)
Auto power off	5 Minutes
Low battery indication	Support
LCD Type	FSTN
Backlight	White
Drop test	1m
LED Indication	positive pressure: green light negative pressure: red light
Operating temperature/humidity	0~50°C ≤85%RH
storage temperature/humidity	-10~60°C ≤75%RH



UT366A



Characteristics	
Standard accessories	Battery, hose, Carrying bag, magnetic hook, English manual, Gift box
Power	3 x 1.5V (AAA)
Display	31 x 32mm
Product size	53 x 30 x 137.8mm
Standard quantity per carton	10pcs



UT370 SERIES

Tachometers



UT370 series non-contact tachometers measure rotating speed of shaft or disk with a point laser and reflective tape (on the object being measured). These meters can output RPM or count readouts without interfering with the equipment in operation.

Features:

- Non-contact measurement, using photoelectric sensor
- High precision sensor, stable performance
- PC software connection via USB interface (UT372 only)



UT372



Specifications	Range	UT371	UT372
RPM range	10RPM~99.999RPM	$\pm(0.04\%+2)$	$\pm(0.04\%+2)$
	100RPM~999.99RPM	$\pm(0.04\%+2)$	$\pm(0.04\%+2)$
	1000RPM~9999.9RPM	$\pm(0.04\%+2)$	$\pm(0.04\%+2)$
	10000RPM~99999RPM	$\pm(0.04\%+2)$	$\pm(0.04\%+2)$
Counts	Range: 0~99999	√	√
Target distance	50mm~200mm	√	√
Data hold		√	√
Auto power off		√	√
Low battery indication		√	√
MAX/MIN/AVG mode		√	√
USB interface			√

Characteristics

Standard accessories	Reflective tape, English manual, blister, Software CD (UT372 only)
Power	1.5V battery (LR6) x 4
Display	53 x 41mm
Product size	184 x 56 x 34mm
Product net weight	100g
Standard quantity per carton	10pcs





UT372D

2 in 1 Tachometer

meters.uni-trend.com

ENVIRONMENTAL TESTERS

UT372D is a reliable and safe tachometer, which combines contact and non-contact measurement modes. It is mainly used to measure Revolutions Per Minute (RPM), frequency, surface velocity and length in the fields of motors, fans, automobiles, etc.

Features:

- Contact and non-contact measurements
- MAX/MIN/AVG/HOLD
- Rotatable LCD backlight screen
- Unit conversion
- Bluetooth APP
- Auto power off
- Data storage
- Two measurement buttons



Shaft contact (internal cone)



Shaft contact (cone)



6 inches wheel



0.1m wheel



UT372D

Specifications		Range
Non-contact (optical) measurement	Rotational velocity (RPM)	1-99,999
	Frequency (HZ)	1-1,666
	Count	1-99,999
Contact measurement	Rotational velocity (RPM)	1-19,999
	Frequency (HZ)	1-333
	Surface velocity	0.1m wheel: 0.1-1,999m/min, 0.4-6,550ft/min, 4-78,700in/min
		6" wheel: 0.15-1,524m/min, 0.5-5,000ft/min, 6-60,000in/min
Length	0-99999 (m/ft/in)	
Accuracy	±0.02% ±1 digit	
Measurement modes	Contact RPM/Non-contact (optical) RPM Count /Frequency /Surface velocity/Length	
Contact measurement unit	m/min, ft/min, in/min, m, ft, in	
Length unit	m, foot, inch	
Statistical measurement	Max/Min/Last reading/Average	
Data storage	10 groups	
Screen	FSTN, backlight, rotatable	
Operating temperature/humidity	0°C~50°C; ≤80%RH	
Storage temperature	-20°C~60°C	
Drop test	1m	
Auto power off	√	
Measurement button	2	



iENV



Get the FREE iENV App!

By using the iENV App, you can efficiently and safely capture, store and share maintenance data without leaving the field. You can securely connect and collaborate with others, so they can see what you see.



Characteristics	
Power	3 x AAA batteries
Display	36 x 49mm
Product size	176 x 63 x 38mm



UT373

Mini Tachometer



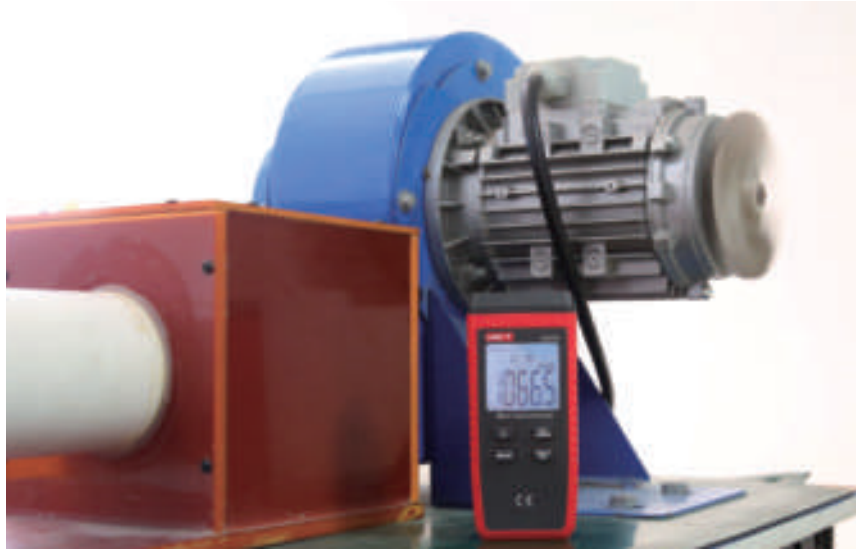
UT373 is a reliable digital non-contact tachometer used to measure rotation speed of motors and other machines. This device is able to display results in RPM or revolution count. UT373 is able to safely measure rotational objects through a non-intrusive method.

Features:

- Non-contact measurement, using photoelectric sensor
- High precision sensor, stable performance
- Mini design, easy to carry



UT373



Specifications	Range	Resolution	Accuracy
RPM measurement	10.0~9999.9RPM	0.1	±(0.04%+2)
	10000~99999RPM	1	
Counting measurement	0~99999 counts	1	±1
Auto range	√		
Auto power off	√		
Low battery indication	√		
Data hold	√		
MAX/MIN	√		
Overload indication	√		
LCD backlight	√		
Sensor type	Photodiode and laser tube		
Target distance	50mm~200mm		
Drop test	1m		

Characteristics	
Standard accessories	Batteries, reflective tape, English manual, Gift box
Power	1.5V battery (R03) x 3
Display	5-digit segment code; 99999 max display
Product size	120 x 53 x 28.5mm
Product net weight	85g (excluding battery)
Standard quantity per carton	20pcs





UT377A

Mini Wood Moisture Meter

UT377A is a digital meter designed to measure the moisture content of wood, paper, plywood, and other wooden materials. This device classifies wood into four categories based on material density, and applies temperature compensation algorithm to ensure measurement accuracy. UT377A's miniature design, low power consumption, and high precision all make this a great product choice for measuring wood moisture content.

Features:

- Non-contact measurement, more accurate
- Ambient temperature: -10~60°C
- 1 meter drop proof
- 4 types wood categories



UT377A



Specifications	Range	Resolution	Accuracy
Wood moisture	2~40%	0.1%	±2%
Refresh rate	2 times/s		
Operating temperature	0°C~40°C		
MAX/MIN/HOLD	√		
Auto power off	√		
Backlight	√		
Low battery indication	√		

Characteristics	
Standard accessories	Batteries, English manual, Gift box
Power	1.5V battery (R03) x 3
Display	35 x 32mm
Product size	135 x 53 x 28mm
Product net weight	130g
Standard quantity per carton	20pcs



UT377C

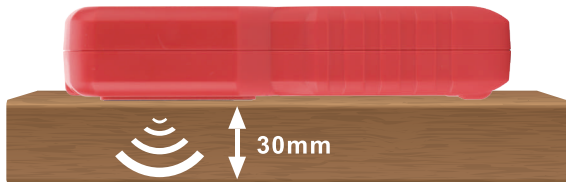
Pinless Moisture Meter



UT377C is a Moisture Meter measured in contact or induction way, testing the moisture content without damaging the wood and building materials. It is widely used in the industries of wood processing, architectural decoration, quality control, and etc.

Features:

- Non-destructive testing
- Anti-grip interference
- Measured depth: 30mm
- Ambient temperature measurement
- Come with flashlight
- 4 Measurement modes



Specifications				
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
Functions	Types	Test range	Resolution	Value error
Wood & Building materials measurement	Softwood	0~32%	0.1%	±4%
	Hardwood	0~32%	0.1%	
	Drywall	4~99.9%	0.1%	Unspecified
	Masonry	4~99.9%	0.1%	
Temperature measurement	°C/°F	-20~70°C	0.1°C	Unspecified
Sensor size	50 x 50mm			
Minimum target size	50 x 50mm			
Target thickness range	6~30mm			
Screen display	EBTN Color Screen			
Simulation bar indication	√			
Audible alarm indication	√			
Flashlight	√			
Auto power off	√			
Measurement modes	Softwood, Hardwood, Drywall, Masonry			
Auto power off	Auto power off in 5 minutes			
Work environment	0~40°C ≤80%RH			
Storage environment	-20~60°C ≤75%RH			



Characteristics	
Power supply	AAA Alkaline Battery x 3
Product size	152 x 70 x 30mm
Product net weight	160g
Standard accessories	User Manual, Cloth Bag, AAA Alkaline Battery x 3
Standard quantity per carton	20pcs





UT383/UT383BT

Mini Light Meters

meters.uni-trend.com

ENVIRONMENTAL TESTERS

UT383/UT383BT can effectively measure light intensity and display results in units of Lux or Fc. UT383BT can transfer measurement data through Bluetooth to UNI-T's custom mobile APP (iENV2.0) for further analysis, storage, and export. iENV2.0 can be downloaded from Google Play, Apple Store, or UNI-T's website by searching 'iENV2.0'.

Features:

- Mini design, easy to carry
- High accuracy sensor
- MAX/MIN/HOLD
- LCD backlight
- Low battery indication
- Unit switch



UT383BT



iENV (UT383BT)
iENV (UT383BT)

Specifications	UT383	UT383BT
Illuminance measurement (Lux)	0~199,900Lux	0~199,900Lux
Illuminance measurement (Fc)	0~18,500Fc	0~18,500Fc
Accuracy	0~9999Lux	±(4%rdg+8dgt)
	≥10000Lux	±(5%rdg+10dgt)
Resolution	1Lux (0~9999Lux)	
	10Lux (≥10,000Lux)	
	100Lux (≥100,000Lux)	
	1Fc (0~9999Fc); FC=Lux/10.76	
	10Fc (≥10,000Fc); FC=Lux/10.76	
Sampling time	0.5s	
Bluetooth APP		√
Tripod mounting hole		√

Characteristics	
Standard accessories	Batteries, English manual, Blister
Power	1.5V battery (R03) x 3
Display	32 x 26mm
Product size	160 x 50 x 28mm
Product net weight	118g
Standard quantity per carton	UT383: 40pcs; UT383BT: 20pcs
Standard carton measurement	UT383: 505 x 330 x 280mm; UT383BT: 332 x 262 x 290mm
Standard carton gross weight	UT383: 8.42kg; UT383BT: 4.2kg

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UT383S

Digital Light Meter



UT383S is an Illuminance Meter with high accuracy and split design, which makes users feel convenient to measure. It is widely used in the publics, studios, offices, greenhouses, etc.

Features:

- Mini design, easy to carry
- Split type design
- MAX/MIN/HOLD
- LCD backlight
- High accuracy sensor
- Unit switch

Specifications	Range	Resolution	Accuracy
Illuminance	0~199,900Lux	1Lux (0~9999Lux)	±(4%+8)
		10Lux (≥10,000Lux)	±(5%+10)
		100Lux (≥100,000Lux)	±(5%+10)
		0.1Fc (0~999.9Fc)	±(4%+8)
		1Fc (≥1000Fc)	±(5%+10)
		10Fc (≥10,000Fc)	±(5%+10)

Characteristics	
Standard accessories	Batteries, English manual, Blister, Gift box
Power	1.5V battery (R03) x 3
Display	35 x 32mm
Product size	110 x 53 x 26mm
Product net weight	300g
Standard quantity per carton	20pcs
Standard carton measurement	560 x 300 x 335mm
Standard carton gross weight	6.9kg





UT334A Radiation Dose Tester

UT334A is a handheld Radiation Dose Tester with high sensitive GM counter sensor, combined Beta(β), Gamma(γ), and X-ray radiation detection, it is widely used in home decoration, radiation processing enterprise, health and epidemic prevention, radiation therapy, nuclear laboratory, nuclear power plant, import and export inspection, building materials, petrochemical, geological survey, scrap steel, industrial nondestructive testing and other environments existing ionizing radiation, personal radiation dose supervision and protection occasions.

Features:

- TFT 2.0" color screen
- Scheduled measurement (00-999h)
- 10 groups of data storage
- Portable device
- High sensitive GM counter tube
- Combined Beta(β), Gamma(γ), and X-ray radiation
- Real-time, Average, and Cumulative dose display
- Audio and visual alarms



UT334A

Specifications	Range
Detected rays	X, β and γ rays
Sensor	GM counter tube
Range	0.05uSv-50mSv
Accuracy	-17%~+25% based on ¹³⁷ CSy
Charging interface	Type-C
Alarm response time	t _a : <10s
Alarm threshold accuracy	-17%~+25%
Alarm modes	Audible and visual alarms
Battery	Rechargeable 3.7V Li-ion 1800mAh
Battery duration	About 20 days (continuous measurement, particle sound off)
Calibration	v

General Characteristics	
Product color	Red and grey
Product net weight	127g
Product size	120 x 65 x 25mm
Standard accessories	Gift box, Manual, Carrying bag, Hand strap, USB cable
Standard quantity per carton	10pcs



UT345A

Ultrasonic Thickness Gauge



This product is an intelligent ultrasonic thickness gauge that adopts the latest high performance and low power consumption microprocessor technology. Based on the principle of ultrasonic measurement, it can measure the thickness and sound velocity of metal and other materials. It can detect the thinning of pipes and pressure vessels after corrosion, and can make accurate measurements of plates and machined parts. The gauge can be widely used in petroleum, chemical, metallurgy, shipbuilding, aviation, aerospace and other fields.

Features:

- Rechargeable lithium battery
- 300 groups of data storage
- High precision split probe
- Multiple materials selection (Metal, plastic, ceramic, glass)
- Audible alarm over limit
- Multiple modes: Single/continuous/sound velocity/auto calibration



UT345A

Specifications	Range
Display	2.4" LCD
Measurement range	1.00~300.00mm
Sound velocity range	(1000~9999) m/s
Unit	mm/in
Accuracy	H<10mm, ±0.1mm; H≥10mm, ±(1%H+0.1)mm
Lower limit of pipe measurement	Φ20×3mm (steel)
Data storage	300 groups, including material, sound velocity, unit, measured value, MAX, MIN and AVG of each group
Main functions	Single measurement, continuous measurement, alarm, sound velocity measurement, auto calibration
Charging specification	DC 5V 1A, Type-C interface
Operating time (full battery)	About 16h
Operating temperature and humidity	0°C~40°C 10%RH~80%RH
Storage temperature and humidity	-10°C~50°C 10%RH~70%RH
MAX/MIN/AVG	√

General Characteristics	
Battery	Built-in lithium battery (3.7V 2000mAh)
Product net weight	175g
Product size	140 x 66 x 28.5mm
Standard accessories	Gift box, English manual, Cloth bag, USB cable, Coupling agent, Probe
Standard quantity per carton	5pcs





UT345C

LPG Tank Level Checker

UT345C is a portable LPG tank level checker adopting ultrasonic detection technology. This product can quickly determine how much gas is left in the tank by LED indication. It is easy to use, accurate and reliable.



Features

- Pen-like design, compact and portable
- Simple determination without additional accessories required
- Red and green LED indication
- Easy to measure
- Come with a flashlight

Specifications	Instructions
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Applicable gas tanks/bottles	Steel and aluminum standard propane or butane LPG (liquefied petroleum gas) storage tanks with 8-14 inches (approx. 200-350mm) in diameter
LED indication	Green: Liquid detected at this level Red: No liquid Green and red keep flashing: Measuring
Sound indication	v
Measurement method	Press the probe 90 degrees vertically at different positions of the bottle to measure and then check the LED color
Operating temperature/humidity	-15~40°C ≤85%RH
Storage temperature	-10~60°C ≤75%RH
Drop test	0.5m

General Characteristics

Power	AAA battery x2
Product color	Red and grey
Product size	31.5 x 27 x 143mm
Standard accessories	User manual, Safety instructions, Batteries
Standard quantity per carton	20pcs



A12T/A13T

Temperature Humidity Meters



A12T/A13T measures real-time temperature and humidity and displays readings on a large screen. It can be used for both indoor and outdoor measurements.

Features:

- 4.3" large screen display, temperature and humidity simultaneously
- Multiple mounted ways: table mount stand and hanging hole
- External probe up to 2 meters (A12T)



A12T

A13T

Specifications	A12T	A13T
Temperature range (°C)	-10°C~50°C	
Temperature accuracy	±1°C (0~40°C)	
Humidity range	10%~99%RH	20%~95%RH
Humidity accuracy	±5%RH (40%~80%RH)	
°C/°F selection	√	√
Sampling time	10s	
MAX/MIN	√	
Alarm clock/time display	√	√
Date/calendar	√	
12/24 hour modes	√	√
Comfort level	√	
External probe	√	

Characteristics	
Standard accessories	Batteries, English manual, Gift box, Probe (A12T only)
Power	1.5V battery (R03) x 1
Display	92.5 x 60mm
Product size	130 x 22 x 78mm
Product net weight	110g
Standard quantity per carton	80pcs



Office



Home



Warehouse



Greenhouse





A25D PM2.5 Meter

meters.uni-trend.com

ENVIRONMENTAL TESTERS

A25D air quality meters are used to measure PM2.5 concentration. A25D can be used in homes, offices, hotels, schools, factories, hospitals, restaurants, and other public places.

Features:

- Precise PM2.5 concentration based on pre-calibrated sensors
- 3" large screen display
- Temperature and humidity measurement
- Emotion display
- Rechargeable Li-ion battery
- Audible and visible alarm



A25D

Specifications	Range	A25D
PM2.5 (ug/m ³)	0~100	±(10ug/m ³ +10dgts)
	101~400	±(10%+30dgts)
	401~500	±(10%+50dgts)
Temperature	-10°C~50°C	±1°C
Humidity	5%~99%RH	±5%RH@30%~80%RH
		±8%RH@<30%RH, >80%RH

Characteristics	
Standard accessories	Gift box, User manual, USB cable
Power	1500mAh Li-ion battery
Product size	75 x 55 x 130mm
Product net weight	About 230g
Standard quantity per carton	5pcs



A37

CO₂ Meter



A37 is used to detect CO₂ concentration in different environments. The LCD displays CO₂ concentration, temperature, humidity, and date/time together. Air quality is indicated with emoticons. When CO₂ concentration gets too high, audio and visual alarm will go off.

Features:

- High precision NDIR (on-Dispersive Infrared) sensor
- 3" large screen display
- Temperature and humidity measurement
- Rechargeable Li-ion battery
- Audible and visible alarm
- Emotion display
- Automatic and manual calibration



A37

Specifications	Range	Resolution	Accuracy
Carbon dioxide	400ppm~5000ppm	1ppm	±(5% + 50ppm)
Temperature	-10°C~50°C	0.1°C	±1°C
Relative humidity	0%RH~99%RH	1%RH	±5%RH (10%RH~90%RH) at 25°C
ABC	Automatic baseline correction		
Sensor type	NDIR		
Operating temperature	0°C~50°C, 0%RH~85%RH		
Storage temperature	-20°C~60°C, 0%RH~95%RH		

Characteristics	
Standard accessories	Micro USB cable, English manual, Gift box
Power	3.7V DC Li-ion battery/ Micro USB charging port
Display	42 x 65mm
Product size	75 x 55 x 130mm
Product net weight	195g
Standard quantity per carton	5pcs



A63 is a 2 in 1 food thermometer combines with infrared sensor and collapsible probe. The infrared mode can quickly scan the surface temperature of objects and the probe mode is used for measuring the internal temperature of food accurately. This product is suitable for food processing, food transport and storage, catering industry and other scenarios.

Features:

- Probe and infrared temperature measurement
- Rotating screen 180°
- Collapsible probe
- T1-T2 (Temperature difference)
- IP 65 rating and 1 meter drop protection
- HACCP inspection(Hazard Analysis and Critical Control Point)

Specifications			
Temperature measurement	Range	IR	-40°C~300°C (-40°F~572°F)
		Probe	-50°C~300°C (-58.0°F~572°F)
	Accuracy	IR	-40°C ≤ t ≤ 0°C: ±(1.5+0.1× t)°C 0°C < t ≤ 300°C: ±1.5°C or ±0.015×t°C (whichever is greater)
		Probe	-50°C ≤ t < -30°C: ±1.0°C -30°C ≤ t ≤ 100°C: ±0.5°C 100°C < t ≤ 300°C: ±0.01×t°C
Distance ratio (D:S)	8:1		
Emissivity	0.95		
Spectral response	5μm~14μm		
Repeatability	1°C (2°F) or 1% (whichever is greater)		
Display resolution	0.1°C (0.1°F)		
Unit conversion	°C/°F		
Auto power off	√		
Low battery indication	√		
Data hold	√		
Laser point	Single laser, output <1 mW, class II, Wavelength: 650±20nm Comply with EN 60825-1:2014 laser safety standard		
Battery	AAA alkaline battery x 2		
Continuous operating time	>80h		
LCD type	FSTN		

Characteristics	
Standard accessories	Batteries, User manual, Gift box
Power	AAA alkaline battery x 2
Display	33 x 39mm
Product size	178 x 55 x 27.5mm
Product net weight	180g
Standard quantity per carton	10pcs



A61

Digital Thermometer



A61 is an IP65 rated thermometer with FDA certified stainless steel probe. It is equipped with a protective shell to prevent accidental skin puncture and burning. With its portable pen-like design, clear backlight display, and auto power off functions, A61 is a useful temperature measurement tool for cooking, refrigeration, heating, food processing and other applications.



LED alarm



Data hold



Pen-type design



MAX/MIN/
Real-time



IP65



Unit conversion



Specifications	Range
Measurement range	-40°C~250°C (-40°F~482°F)
Accuracy	±1°C (-20°C≤T<100°C); ±2°C (T≤20°C; T≥100°C) ±2°F (-4°F≤T<212°F); ±4°F (T≤4°F; T≥212°F)
Minimum measuring depth	12mm
Sensor	NTC
Stabilization time	20s
Resolution	0.1°C (0.1°F)
Battery duration	12h
Operating temperature	0°C~40°C (32°C~104°C)
Storage temperature	-20°C~60°C (-4°C~140°C)
Operating humidity	<RH80% (Non condensable)

Characteristics	
Standard accessories	Battery, English manual, Blister
Power	3V battery (CR1632)
Display	26.6 x 10.6mm
Product size	190 x 29.5 x 15.5mm
Product net weight	50.8g
Standard quantity per carton	40pcs



Air Conditioning / Refrigeration Measurement Tools

Air Conditioner/Refrigerating System is an indispensable part in the modern life. For stable running of system, it's important to regularly measure and inspect. No matter in the refrigerant leak detection, pressure measurement or temperature measurement, the professional and digital tools are needed. UNI-T provides accurate and reliable measurement tools for users to make air conditioner/refrigerating system more stable and energy saving.



UT336E

Digital Manifold Gauge



UT336E Digital Manifold Gauge measures the high-low end pressure of system, equips with wireless temperature clamp to measure the high/low pressure temperature of refrigerant pipe, automatically calculates the superheating/subcooling degree, inbuilds multiple refrigerant parameters, supports Bluetooth APP connection, and widely used in the installation, debugging and maintenance of refrigerating system and heat pump system.

Features:

- 3.5" HD Color Screen
- Support Multiple Measurement Modes: Pressure, Temperature, Evacuation, Pressure Holding, Refrigeration, Heat Pump.
- 60000 Data Storage
- Mobile Bluetooth APP Connection
- Support to connect with Wireless Temperature Clamp UT320i and UT336V
- Support 94 Refrigerants Switching and Updating
- Audible and Visual Alarm Function

Specification			
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ		
	Range	Accuracy	Resolution
Pressure	-1.00~+60.00bar	±0.5%FS	0.01bar
Vacuum (Connect UT336V)	0~19,000micron	±(10% of reading+10) : 100~10,000micron ±20% of reading: 10,000~19,000micron	1
Temperature	-50~+150°C	±0.5(-50~80°C) ±1(other)	0.1
Refrigerant pipe interface	3 x 1/4"		
Pressure overload	65bar		
Pressure & Temperature measurement	Support to display the Refrigerant Type, Evaporating Temperature, Condensing Temperature, Measured Value of High/Low Pressure, Temperature of Clamp, Superheating, and Subcooling.		
Evacuation	Support to display the Target Value of Vacuum, Time of Timing, Measured Value of Vacuum, Ambient Temperature, Water Evaporation Temperature, and Temperature Difference		
Pressure holding measurement	Support to display the Time of Timing, Start Pressure, Current Pressure, Pressure Value, and Alarm Value.		
Refrigeration mode /Heat pump mode	Auto Switch		
Zero calibration	√		
Buzzer	√		
LED indicators	√		
Refrigerant switching	√		
Refrigerant updating	√		
Screen brightness adjustment	√		
Data storage	60000		
Data recording interval	1~60s		
Temperature compensation	√		
Hardware update	√		
Bluetooth APP	√		
Hanging hook	√		
Pressure units	bar, kg/cm ² , psi, kPa, MPa		
Vacuum units	mbar, Pa, KPa, mTorr, Torr, micron, mmHg, inHg, inH2O, psia		
Temperature units	°C, °F		
Power supply	5200mAh Rechargeable Li-ion Battery		
IP rating	IP54		
Working temperature & Humidity	-20~+50°C, 10~90%RH (No Condensation)		

General Characteristics

Product Size	202 x 64 x 117mm
Standard accessories	Tool Box, Three-Color Pipe, Quick Start Guide, Gift Box, UT320i x 2



UT336E



UT320i



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UT336A/B Refrigerant Leak Detector

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AIR CONDITIONING / REFRIGERATION MEASUREMENT TOOLS

UT336A and UT336B are useful refrigerant leak detectors. They feature rapid response, high reliability and easy-to-use operation. They are widely used in air conditioner maintenance, car maintenance, refrigeration unit detection, refrigerator maintenance, and etc.

Features:

- High sensitivity
- Easy-to-use operation
- 6-Sensitivity adjustment
- Audible and visible alarm
- Power-on auto-reset
- Come with probe light (UT336B)
- Three main types of halogenated refrigerants: CFCs, HCFCs, HFCs



UT336A



UT336B

Model	UT336A	UT336B
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Sensor	Negative corona sensor	Semiconductor sensor
Maximum sensitivity	3g/a	3g/a
Warm-Up time	3s	60s
Sensitivity adjustment	6 Levels	6 Levels
Alarm light	6 Levels	6 Levels
Battery status	√	√
Zero reset	√	√
Probe light		√
Mute	√	√
Battery life	20h	10h
Auto power off	√	√
Probe life	About 50h in normal detection condition	About 2yr (Calculate as per 2.5h per day)
Operating temperature and humidity	0°C-50°C, <95%RH (non-condensing)	0°C-50°C, <95%RH (non-condensing)

Characteristics	
Power supply	AA Alkaline Battery x 4
Product size	190 x 65 x 43mm (Not probe rod included)
Product net weight	312g (Not battery included)
Standard accessories	Refrigerant Leak Detector, Quick Start Guide, Safety Guideline, AA Alkaline Battery x 4, Auxiliary Probe (UT336A), Cloth Bag (UT336B)
Standard quantity per carton	UT336A: 10pcs; UT336B: 5pcs



UT336P

Wireless Digital Pressure Gauge



UT336P Wireless Digital Pressure Gauge measures system's pressure, functions offline data-recording, monitors refrigeration and heat pump system in a long period and equips temperature clamps to use. Refrigerant pipe's high/low-pressure temperature, overheating and overcooling degree can be viewed by mobile APPs, widely used in the installation, debugging and maintenance of refrigeration and heat pump system.

Features:

- Wide range and high precision
- Hook design for easy fixing
- Settable High/Low pressure alarms with LED alarm
- High/low pressure recognition and indication
- Bluetooth App connectivity for easy data
- Up to 8000 data storage with exportable data reports
- Compatible with temperature clamp UT-T17 (Optional accessory)
- The device itself inbuilds 10 refrigerants, and users can alternate them through the 90 refrigerants or more in the APPs.



iENV

Specification	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Display	FSTN
Interface	1/4" SAE
Measurement range	-1 to 60bar -1.01 to 61.18kg/cm ² -75.0 to 4,500.3cmHg -14.5 to 870.2psi -29.52 to 1,771.8inHg -100 to 6,000kPa -0.100 to 6.000MPa
Resolution	0.1psi, 0.01bar, 0.001MPa, 1kPa
Accuracy	±0.5%FS
Unit	bar, kg/cm ² , cmHg, psi, inHg, kPa, MPa
Refrigerant types	Supports 10 types
Vapor saturation temperature /Liquid saturation temperature	√
Temperature of high side /Temperature of low side	√
Superheating/Subcooling	√
Data recording	8000
Recording interval	1s~1h
High and low pressure recognition	Red indicator (high pressure) Blue indicator (low pressure)
Backlight	√
Bluetooth APP	√
Auto power off	√
Date & Time	√
Firmware upgrade	√
Temperature clamp interface	3.5mm headphone interface
Battery type	3 x AA
Battery life	About 250h
Working temperature	-10~+50°C
Storage temperature	-20~+60°C
IP rating	IP54
Maximum pressure	65bar

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UT336V

Wireless Digital Vacuum Gauge

UT336V Wireless Digital Vacuum Gauge measures vacuum of refrigeration and heat pump system, judge the degree of moisture and impurities removal in system, and widely used in the installation, debugging and maintenance of refrigeration and heat pump system.

Features:

- Wide range and high precision
- Hook design for easy fixing
- Settable High/Low pressure alarms with audible and visual alerts (LED & buzzer)
- Easily switch between 8 measurement units
- Intelligent H2O State Judgement: Supports measurement of water's saturation temperature and ambient temperature, providing intelligent assessment of water state
- Bluetooth App connectivity for easy data observation and recording
- Up to 8000 data storage with exportable data reports



Specification	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Display	FSTN
Interface	1/4" SAE
Vacuum measurement range	0 to 258.31mbar
	0 to 2,533.13Pa
	0 to 2.533kPa
	0 to 19,000mTorr
	0 to 19Torr
	0 to 19,000micron
	0 to 19mmHg
	0 to 10.17inH2O
	0 to 0.367987psia
Resolution	1 : 1 to 400 micron, 10: 400 to 3,000 micron, 100: 3,000 to 10,000 micron, 250: 10,000 to 190,000micron
Accuracy	± (10% of reading+10 microns) : 100 to 10,000micron ± 20%of reading: 10,000 to 19,000micron
Ambient temperature range	-10.0 to +50.0°C (14.0 to +122.0°F)
Accuracy	±0.5°C
Resolution	0.1°C
The saturation temperature of water	√
ΔT_TH2O-Tamb	√
Temperature units	°C, °F
Data recording	8000
Recording interval	1s~1h
Backlight	√
Bluetooth APP	√
Date & Time	√
Vacuum target value	√
Maximum allowable vacuum	√
Auto power off	√
Firmware upgrade	√
Battery life	About 120h
Battery type	3 x AA
Working temperature	-10~+50°C
Storage temperature	-20~+60°C
IP rating	IP54
Maximum pressure	27.5bar

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Layout and Measurement Tools

From home DIY projects to utility project layouts, UNI-T's layout and measurement tools can help to accurately measure distance (laser distance meter), project horizontal/vertical levels (laser levels), and detect objects behind walls during construction (wall scanners).





UT663B Borescope

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LAYOUT AND MEASUREMENT TOOLS

The 360°Rotatable Industrial Borescope in UT663B series is designed for complex detection conditions, its flexible 180° bi-directional rotation capability equipped with 4.3" HD screen makes detecting details visible in everywhere. It's widely used in the Vehicle Repairing, Household, Mechanicals, Chemicals, Aviation, Safety and other fields, and suitable for hard-to-reach, narrow and flex space detection.

Features:

- Optional Hose Length
- 180° Bi-directional Rotation of Hose Cameras
- High Temperature Protection of Cameras
- 8 LEDs, 4-Setting Brightness Adjustment
- 1000K HD Camera, IP67 Rating
- Maximum 64GB Storage
- Support Photo Capturing and Video Recording

Specification		
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
System	Screen size	5.0"
	Image pixels	JPG: 1920 x 1080
	Video pixels	AVI: 1920 x 1080
	High temperature warning protection	√
	Image rotation	√
	Photo capturing	√
	Video recording	√
	Audio recording	√
Storage	Standard 32GB-TF card (maximum 64GB)	
Hose	Hose material	Medal and hard hose
	Hose length	1m, 2m, 3m
	Rotational angle	180° Bi-directional
Camera	Diameter	8mm
	Light sensor chip	CMOS
	Field of view (FOV)	70°
	Depth of field (DOF)	20~100mm
	Adjustable LED lights	4-Setting, 8 LEDs
	Pixels	1000K
	IP rating	IP67
Battery	Battery	3.7V/3000mAh
	Battery life	4h
Working condition	Camera Temperature	0°C~80°C
	Working Temperature	0°C~45°C
	Humidity	<90%RH, no condensation



Characteristics	
Product size	273 x 66 x 139mm (Not Hose Included)
Standard accessories	Type-C Cable, User Manual, Gift Box, Cloth Bag, 32GB-TF Memory Card
Standard quantity per carton	6pcs



UT665P/UT667

Borescopes



The Handheld Single Len Industrial Borescope in UT665P series features excellent imaging quality, flexible detecting capability and convenient operation. The Large Scale Industrial Borescope in UT667 series equips a 4.3" screen and displays clear images with visible details. All mentioned above are widely used in the Vehicle Repairing, Household, Mechanicals, Chemicals, Aviation, Safety and other fields, and suitable for hard-to-reach, narrow and flex space detection.

Features:

- Optional Hose Length
- 4.3" HD Screen
- 8 LEDs, 4-Setting Brightness Adjustment
- 300K HD Camera, IP67 Rating
- Equips side mirror, magnet and hook for different narrow space requirements
- Built-in 2000mAh Li-ion Battery

Specification		UT665P	UT667
Manual language	EN		
System	Screen size	4.3"	4.3"
	Screen resolution	1280 x 720	1280 x 720
	Screen rotation	√	√
	Contrast adjustment	√	
	Black and white images	√	√
	Color conversion	√	√
	Images zoom In/Out	√	√
	Screen brightness adjustment	√	
Hose	Hose material	The hardwire with aviation plug can be changed	The hardwire with aviation plug can be changed
	Hose length	1m, 5m, 10m	1m, 5m, 10m
Camera	Diameter	8mm	8mm
	Light sensor chip	CMOS	CMOS
	Field of view (FOV)	70°	70°
	Depth of field (DOF)	20~100mm	20~100mm
	Adjustable LED lights	4-Setting, 8 LEDs	4-Setting, 8 LEDs
	Pixels	300K	300K
	IP rating	IP67	IP67
Battery	Battery	3.7V/2000mAh	3.7V/2000mAh
	Battery life	6h	5h
Working condition	Camera Temperature	0°C~80°C	0°C~80°C
	Working Temperature	0°C~45°C	0°C~45°C
	Humidity	<90%RH, no condensation	<90%RH, no condensation

Characteristics	UT665P	UT667
Product size	256 x 120 x 50mm	160 x 95 x 40mm
Standard accessories	Type-C Cable x 1, Gift Box x 1, User Manual x 1, Blister Tray x 1, Hook x 1, Side Mirror x 1, Magnet x 1, Fixed Buckle x 3	
Standard quantity per carton	20pcs	





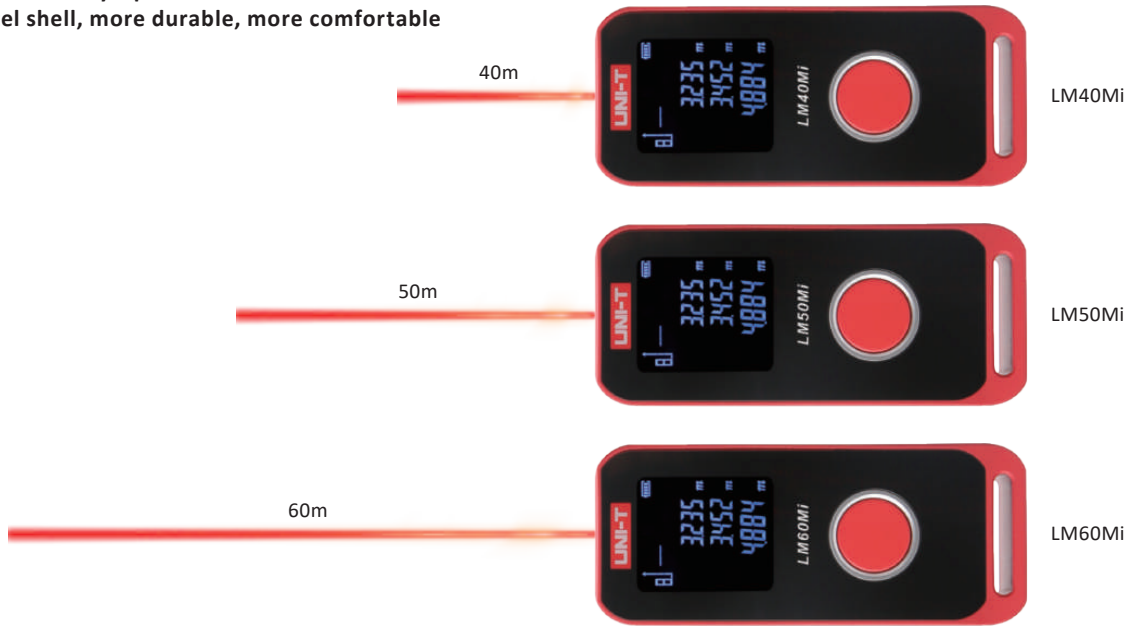
LM40MI/LM50MI/LM60MI

Mini Laser Distance Meters

Mini Laser Distance meter is a multiple meter for distance, area and volume measurement with compact and portable design which mainly used in building, designing and engineering monitoring, etc.

Features:

- Mini Size And Portable Design
- Multiple Measurement Modes
- Self Calibration
- Rechargeable 370mAh Li-ion Battery
- High-Accuracy Optic Sensor
- Metal shell, more durable, more comfortable



Models	LM40Mi	LM50Mi	LM60Mi
Measurement range	0.05~40m	0.05~50m	0.05~60m
Precision	±(2mm+d x1/10000)		
Continuous measurement	√		
Metope area measurement	√		
Area/Volume measurement	√		
Perimeter measurement	√		
Pythagorean measurement	√		
Min/Max	√		
Unit switch	√		
Laser level	CLASS II		
Laser type	630-670nm, <1mW		
Automatically cut off laser	20s (single measurement)		
Auto power off	150s		
Charging specification	DC5V 0.35A		
Measurement times in full charge	8000 times for single measurement		
Storage temperature	-20°C~60°C		

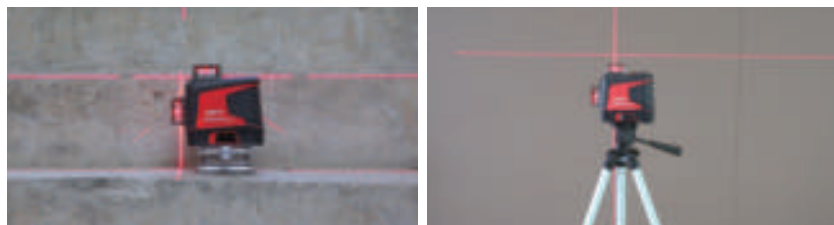
General Characteristics	
Power	3.7V 370mAh lithium battery
Standrad accessories	User manual, Charging Cable, Hand rope, Gift box
Standard quantity per carton	20 pcs
Product size	86.5 x 36.5 x 19.5mm
Product weight	75g



LM570R/LM585R SERIES

Laser Levels

These laser levels are equipped with red LD laser, which allows for fast, accurate layout of reference points and lines. They are ideal tools for stair laying, furniture installation, electrical and residential construction.



Features

Laser high-brightness display	360° emission angle
Self-leveling and manual mode	Pendulum lock
Laser diagonals	Wireless remote control
Type-C interface	Buzzer + laser line flashes

Models	LM573R	LM575R	LM576R	LM585R
Laser tube	SHARP LD			
Laser type	Red, high brightness			
Laser lines	12 lines	12 lines	16 lines	8 lines
Laser wavelength	635nm±10nm			
Laser class	CLASS II			
Horizontal accuracy	≤±3mm/10m			
Vertical accuracy	≤±3mm/10m			
Brightness adjustment	3 scales adjustable			
Laser linewidth	≤5mm±1/10m (indoor lighting: 80~100lux)			
Emission angle	360°	360°	360°	Horizontal: 360°, vertical: 120°
Leveling range	±(3±1)°			
Minimum distance to wall/ground	10mm	Wall: 10mm, ground: 15mm	Wall: 10mm, ground: 15mm	20mm
Battery life	>30h			
Operating range	In the highest brightness, radius>30m			
Leveling modes	Magnetic damping, heavy hammer			
Alarm modes	Buzzer + laser line flashes			
Diagonal mode	√			
Product size	130 x 87 x 120mm	135 x 87 x 130mm	135 x 87 x 150mm	85 x 75 x 115mm
Operating temperature	-10~50°C			
Power supply	3.7V 6000mAh			

Characteristics

Standard accessories	Laser level, 6000mAh battery pack, Type-C cable, user manual, wall-mounted bracket + iron plate (not LM585R), remote control (not LM585R), lifting table (only LM585R), tripod base (only LM585R)
Power	3.7V 6000mAh
Standard quantity per carton	4
Standard individual packing	Gift box



LM573R



LM575R



LM576R



LM585R



(Except LM585LD)



LM570LD/585LD SERIES

Laser Levels

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LAYOUT AND MEASUREMENT TOOLS

Its applications include: horizontal, vertical, cross line projection for decoration, building construction, home decoration, renovation, furniture installation, flooring, and project layout.



LM312 wall mount
LM312 is suitable for LM573LD-II/575LD/576LD only.

Specifications	LM570R-I	LM570LD-II	LM573LD-II	LM575LD	LM576LD	LM585LD
Laser type	Red	Osram green LD	Osram green LD	Osram green LD	Osram green LD	Osram green LD
Laser lines	1V1H	2 lines	3D 12 lines	3D 12 lines	3D 16 lines	8 lines
Operating distance	15m-30m	10m	50m	50m	50m	30m
Laser accuracy	±3mm/10m	±3mm/10m	±3mm/10m	±3mm/10m	±3mm/10m	±3mm/10m
Outdoor pulse mode			√	√	√	√
Remote control			√	√	√	√
Self-leveling range	3°±1°	3°±1°	±3°	±3°	±3°	±3°
Self-leveling time	≤3s	3s	<3s	<3s	<3s	<3s
Working hours	>12h (All lasers on)	4h	>6h	>6h	>4h	>4h
Laser wavelength	635nm	520nm	520nm	520nm	520nm	520nm
Laser class	CLASS II					

Characteristics						
Models	LM570R-I	LM570LD-II	LM573LD-II	LM575LD	LM576LD	LM585LD
Battery	2 x AA	2 x AA	3.7V Li-ion battery 5200mAh			
Product size	59 x 28 x 137mm	85.5 x 62 x 90.3mm	119 x 89 x 138mm	138 x 89 x 147mm	138 x 89 x 147mm	138 x 89 x 136mm
Product net weight	170g	240g	694g	653g	653g	591g
Standard quantity per carton	20pcs	20pcs	4pcs	4pcs	4pcs	4pcs
Standard accessories	Wall mount, English manual, Batteries, Gift box, Remote control, LM312 bracket, cloth bag(LM570R-I), Tool box, Adapter, Charging cable, Tripod mount (LM585LD only), Lifting platform (LM585LD only)					



LM T SERIES/LM320A/LM320B

Laser Tapes/Angle Meters



LM40T&60T is a 2-in-1 laser tape designed and laser distance measurements. It is widely used in home decoration, engineering, construction, and other industries.

Specifications	LM40T	LM60T
Display type	LCD	EBTN
LCD size (inch)	1.2	1.2
Range (m)	40m laser; 5m tape	60m laser; 5m tape
Measurement basis	Rear	Front/rear
Data storage		20 sets
Single measurement	√	√
Continuous measurement	√	√
Max/Min/Area		√
Volume		√
Pythagoras		√
USB charging		Micro USB
Measurement unit	m/ft	m / ft / in / ' "
Accuracy	±2mm	±2mm

Model	LM320A	LM320B
Certifications	CE, UKCA	
Measurement range	4 x 90°	
Accuracy	± 0.2°	
Resolution	0.01°	
Display type	EBTN-LCD	
Laser indication		dual laser
Charging	USB Type C	
Operating time	2h	
Magnet base	two sides	four sides
Auto power off	√	
Relative / Absolute measurement	√	
Low battery indication	√	

Characteristics				
Models	LM40T	LM60T	LM320A	LM320B
Battery	2 x AAA	350mAh	300 mAh lithium battery	
Product size	86 x 50 x 80mm	85 x 56.3 x 81.5mm	61 x 61 x 31mm	
Product net weight	305g	300g	About 106g	
Standard quantity per carton	20pcs	20pcs	6pcs	
Standard accessories	User manual, Batteries, Cross screwdriver	User manual, USB cable	USB cable, User manual, Base plate	



LM40T



LM60T



LM320A



LM320B





LM A SERIES

Laser Distance Meters

The newly designed LM series laser distance meters can measure distance with a 1mm precision. These meters can be used in interior/exterior design, construction, factory supervision, engineering inspection, traffic accident evidence gathering, real estate development, fire assessment, and more.

Features:

- 2.0" HD screen
- Aspherical optical focusing mirror, more stable and reliable
- 99 sets of data storage
- Double leveling bubble, help to observe the level of the measurement
- Multiple measurement modes:
Length/Area/Volume/Pythagorean



LM50A



LM120A

All the models in this page share the same mold.

Specifications	LM50A	LM70A	LM100A	LM120A
Display size	2.0-inches			
Range	50m	70m	100m	120m
Display type	LCD			
Resolution	0.001			
Measurement units	m/ft/in			
Measurement basis	front/rear			
Accuracy	±(2mm+5 x 10 ⁻⁵ D)			
Laser class	2			
Laser type	630~670nm, <1mW			
Single measurement	√			
Continuous measurement	√			
Max/Min	√			
Area	√			
Volume	√			
Pythagoras	√			
Add/Subtract	√			
Self calibration	√			
Horizontal bubble	√			
Data storage	99 groups			
Auto power off	3 minutes without operation			
Auto laser off	30s without operation			
Storage temperature	-20°C~60°C			
Operating temperature	0°C~40°C			
Battery life	Up to 8000 measurements			

General Characteristics	
Power	1.5V battery AAA x 2
Product color	Red and grey
Product size	122mm x 52mm x 29.5mm
Standard accessories	Carrying bag, AAA batteries×2, User manual, Gift box
Standard quantity per carton	40pcs



UT387 SERIES

Wall Scanners

(UT387A/C)

(UT387C only)



UT387 series wall scanners are great tools designed for construction and home improvement sector. These scanners can pick up hidden objects behinds walls, such as metals, live electrical wires and wood. They are widely used for interior finish, renovation, furniture installation, flooring, pipe installation and buiding construction.



UT387A



UT387C

Specifications	UT387A	UT387C
Ferrous metals	StudScan: 19mm ThickScan: 28.5mm	76mm
Non-ferrous metals	StudScan: 19mm ThickScan: 28.5mm	38mm
AC electric wire depth	50mm	50mm
Wood	StudScan: 19mm ThickScan: 28.5mm	StudScan: 19mm ThickScan: 28.5mm
Buzzer indication	√	√
Auto power off	√	√
LED alarm	√	√
Low battery indication	√	√
Calibration	√	√
Object icon display	√	√

Characteristics	
Battery	9V battery
Product size	170 x 70.5 x 38.9mm (only UT387C)
Product net weight	247g (only UT387C)
Standard quantity per carton	20pcs
Standard accessories	Battery, User manual, Gift box





UT387 SERIES

Wall Scanners

The new UT387 series wall scanners used to detect a variety of objects behind the wall, designed with multiple measurement modes and additional functions to conveniently measure distance and wood moisture. It is widely used in home renovation, home improvement, and DIY projects.

Features:

- 2.4 inch color screen
- Voice broadcast
- Rechargeable lithium battery via Type-C
- Multiple measurement modes
- Fluff mat design on the rear of device, move easily



UT387E



UT387LM



UT387S



Specifications	UT387E	UT387LM	UT387S
Wood (precision mode)	20mm		
Wood (depth mode)	38mm		
Metal	100mm		
Non-ferrous metals	80mm		
AC electric wire depth	40mm		
Auto calibration	√	√	√
Laser distance	100mm	0.05~40m	0.05~40m
Moisture			6%~40%
Voice broadcast	√	√	√
Data storage		30	30
Drop proof	1m		
Battery life	3000 single measurements		

Characteristics	
Product color	Red and Gray
Standard quantity per carton	20
Standard carton measurement	360 x 270 x 235mm



LM SERIES

Laser Rangefinders



UNI-T's LM series laser rangefinders enable accurate measurement of height, distance, and angle. The new speed measurement function adopts low power pulsed laser that is safe for the eyes. LM series laser rangefinders are perfect tools for a wide variety of applications such as engineering surveying, building construction, navigation, golf, and hunting.

Features:

- Multi-function measurement: Distance, Height, Angle, Velocity
- HD coating layer, HD imaging
- Rechargeable Li-ion battery
- E-compass technology, accurate in height and angle measurement
- Pulse measurement
- Rotate to focus, suitable for both short-sighted and presbyopia



All the models in this page share the same mold.

Specifications	LM600	LM1000	LM1500
Distance range	5~600yd	5~1000yd	5~1500yd
Height	250yd	450yd	600yd
Accuracy	$\pm 1\text{yd} \pm D \times 0.2\%$		
Magnification	7X		
Lens diameter	24mm		
Height error	$\pm 0.5\text{yd}$		
Velocity range	0-300km/h (reference only)		
Angle	$\pm 45^\circ$		
Angle error	$\pm 1^\circ$		
Laser class	Class 1		
Silent operation	Auto power off system		
Fast distance measurement	√		
LCD display	√		
Tripod mounting hole	√		

Characteristics	
Standard accessories	Carrying bag, hanging cord, USB interface cable, English manual
Power	3.7V Li-ion battery 1500mAh
Product size	114 x 76 x 48mm
Product net weight	230g
Standard individual packing	Gift box
Standard quantity per carton	6pcs





LM600A SERIES

Laser Rangefinders

LM600A Series equips 2" external screen and functions multiple measurement modes, widely used in the fields of Golf, Construction Survey, Outdoor Adventure, Car Race, etc.

Features:

- 2" external color screen
- Multiple measurement modes: Height, Velocity, Angle, Volume, Area
- Rotate to focus, suitable for both short-sighted and presbyopia
- Golf mode and flagpole lock mode
- Vibration hint
- Leather surface, comfortable touch



All the models in this page share the same mold.

Specifications	LM600A	LM800A	LM1000A	LM1200A	LM1500A
Distance range	3~600m	3~800m	3~1000m	3~1200m	3~1500m
Accuracy	±1m ± range x 0.2%				
Magnification	6X				
Diopter adjustment range	±6°				
Height	250m	300m	450m	500m	600m
Speed range	18~300Km/h				
Angle	±45°				
Objective aperture	21.5mm				
Eyepiece aperture	15mm				
Exit pupil diameter	3.7mm				
Angle error	±1°				
Unit switch	m, Y				
Slope measurement	√				
Height measurement	√				
Volume measurement	√				
Area measurement	√				
Angle measurement	√				
Auto power off	√				
Laser class	Class 1				
Laser wavelength	905nm				
Operating temperature	-10°C~50°C				

General Characteristics	
Battery	3.7V 750mAh lithium battery
Product size	108.5 x 72.5 x 42.2mm
Product net weight	About 170g
Standard quantity per carton	5pcs
Standard accessories	Carrying bag, Gift-box, type-CUSB cable, User manual, Hand strap



LM600G SERIES

Laser Rangefinders



LM600G series are laser rangefinders with high accuracy, high efficiency and multiple measurement modes. It is widely used in the fields of Golf, Construction Survey, Outdoor Adventure, Car Race, etc.

Features:

- Multiple measurement modes: Height, Velocity, Angle, Volume, Area
- Rotate to focus, suitable for both short-sighted and presbyopia
- Golf mode and flagpole lock mode
- Vibration hint
- Leather surface, comfortable touch



All the models in this page share the same mold.

Specifications	LM600G	LM800G	LM1000G	LM1200G	LM1500G
Distance range	3~600m	3~800m	3~1000m	3-1200m	3~1500m
Accuracy	$\pm(1m \pm \text{range}) \times 0.2\%$				
Magnification	6X				
Diopter adjustment range	$\pm 6^\circ$				
Unit switch	m, Y				
Height	250m	300m	450m	500m	600m
Height error	$\pm 0.5m$				
Speed range	0~300Km/h				
Angle	$\pm 60^\circ$				
Objective aperture	19mm				
Eyepiece aperture	15mm				
Exit pupil diameter	3.7mm				
Angle error	$\pm 1^\circ$				
Slope measurement	√				
Height measurement	√				
Laser class	Class 1				
Laser wavelength	905nm				
Operating temperature	$-10^\circ\text{C} \sim 50^\circ\text{C}$				

General Characteristics

Battery	3.7V 750mAh lithium battery
Standard quantity per carton	5pcs
Standard accessories	Carrying bag, Gift-box, type-CUSB cable, User manual, Hand strap





LM2000

Laser Rangefinder

The LM2000 is a long range laser rangefinder for outdoor engineering. The main body is covered with anti-slip durable soft rubber that covers 80% of the entire device. LM2000 measure up to 2000 meters, equipped with 8X optical zoom. LM2000 is a highly accurate device designed for professionals. It is powered by 18650 lithium battery and charges through type-C USB cable.

Features:

- Ranging distance is up to 2000m
- Built-in rechargeable battery
- Multiple measurement modes:
Flagpole locking, Two-point ranging,
Two-point height finding,
Velocity/Height/Angle/Distance/Rain fog measurement



Specifications	Range
Range	2000m
Measuring unit	m/yd/ft
Accuracy	$\pm(0.3m+0.001 \times Dm)$
Angle range	-90°~90°
Tilt angle accuracy	$\pm 0.5^\circ$
Gyroscope angle accuracy	$\pm 0.1^\circ$
Laser wavelength	905nm
Field of view	6°
Magnification	8X
Object lens diameter	23mm
Eyepiece diameter	31mm
Exit pupil diameter	3.8mm
Diopter	$\pm 7D$
Diopter adjustment	Manual
LCD display	Black (Red) bicolor R-Plcd
Charging interface	Type-C
Unit switch	m, Yd, Ft, km/h
Auto power off	v
Laser class	Class 1



Characteristics	
Power	2000mAh Lithium battery
Product size	149 x 125 x 55mm
Product net weight	593g
Standard quantity per carton	4pcs
Standard accessories	Carrying bag, gift box, type-C, USB cable, user manual, hand strap



UT665

Borescope



UT665 borescope displays clear images through a flexible camera probe. It is useful for viewing details of automobiles engine, pipelines, inner building walls, drain pipes, and other hard to reach locations.

Features:

- Real-time clear display
- 2.4 inches TFT screen
- Adjustable image saturation of 6 levels
- IP67 probe water proof
- Rotatable images
- Detachable camera probe



UT665

Specifications	Range
Pixels	640 x 480
Lens diameter	9mm (Max. 10mm)
LCD size	2.4 inches
Probe length	1m
Screen type	TFT
Light source	4 LED lights
Depth of field	>20mm
Video signal	Analog
Field of view	60°
Image saturation	6 levels-adjustable
Lens LED brightness	4 levels-adjustable
Flippable image	√
Battery power indicator	√
Water proof	IP67 (probe only)

Characteristics	
Standard accessories	User manual, Camera probe, Batteries, Gift box
Power	1.5V battery (R6) x 4
Display	2.36 inches
Product size	196 x 74 x 97mm
Product net weight	500g
Standard quantity per carton	8pcs



Accessories



TEST LEADS

UT-L Series



UT-L01 Tweezers test leads

- Length: 450mm, Probe length: 5mm
- Safety level: CAT III 1000V
- Application: SMT components measurement, universal test leads
- Amount: 1pc



UT-L06 Dual head connectors

- Length: test leads 1200mm
- Safety level: CAT III 1000V 10A
- Application: Multifunctional connectors, all multimeters and clamps
- Amount: 1 pair



UT-L07 Probes

- Length: 1000mm, Probe length: 5mm+12mm
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Double insulated, lantern probes, removable probe protector, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L09 Dual head connectors

- Length: 1000mm, one head is 180°, the other is 90°
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Double insulated, banana plug with security mask and standard diameter, suitable for multiple devices, all multimeters and clamps
- Amount: 1 pair



UT-L10 Dual head multifunctional connectors

- Length: 1000mm, ϕ 4mm
- Temperature condition: -15°C~40°C
- Safety level: CAT III 1000V 10A
- Features and application: Lantern plug, used for testing adapter cables
- Amount: 1 pair



UT-L16 Probes

- Length: 1200mm, Rod length: 133mm
- Tip length: 18mm
- Safety level: CAT III 1000V 16A
- Safety certificate: EN 61010-031 :2015
- Features and application: Double insulated silicone wire material, through hole type input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L20 Probes

- Leads length: 900mm, Rod length:101mm
- Tip length: 16.5mm
- Safety level: CAT I 1000V/CAT II 600V 10A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L21 Probes

- Leads length: 900mm, Rod length: 133mm
- Tip length: 15.8mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Features and application: Cross plug with shield sleeve, general type probes, all multimeters and clamps
- Amount: 1 pair



TEST LEADS

UT-L Series



UT-L25 Probes

- Leads length: 900mm, Rod length: 115mm
- Tip length: 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 2015
- Features and application: Double insulated wire, removable tip shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L26 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 20A
- Safety certificate: EN 61010-031 2015
- Features and application: UL 16AWG double insulated wire, removable tip shield sleeve, cross type input terminal with full protection, general type probes, all multimeters and clamps
- Amount: 1 pair



UT-L27 Probes

- Leads length: 900mm, Rod length: 130mm
- Tip length: 16.3mm, threaded
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 2015
- Features and application: Double insulated UL authenticated material, removable tip shield sleeve, banana plug input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L28 Probes

- Leads length: 900mm, Rod length: 128mm
- Tip length: 16.8mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features and application: Double insulated wire, removable tip shield sleeve, banana plug input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L29 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 2015
- Features and application: Double insulated UL authenticated material, through hole crosshead with full protection input, removable tip shield sleeve, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



UT-L30 Probes

- Leads length: 900mm, Rod length: 136mm
- Tip length: 15.7mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031 2015
- Features and application: Double insulated UL authenticated material, removable tip shield sleeve, cross input terminal, general type probes, all multimeters and clamps measuring within spec
- Amount: 1 pair



TEST LEADS

UT-L Series



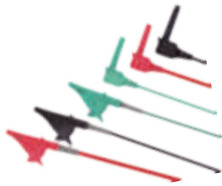
UT-L31 Probes

- Line length: 1300mm
- Tip length: 18.5mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features and application: rod with switch, removable tip shield sleeve, used for UT505B
- Amount: 1pc



UT-L33 Group test leads

- Combinations: combined with 1PCS (red+black) alligator clip test leads and 1PCS double-plug alligator clip test leads
- Material: Double insulated UL authenticated material
- Total length: 1200±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT511
- Amount: 1 Group



UT-L34 Group test leads

- Combinations: combined with 1PCS green, 1PCS black and 1PCS red alligator clip test leads
- Total length: 1500±20mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT513, UT513A
- Amount: 1 Group



UT-L35 Group test leads

- Combination: (1) 1.6m test lead (green+red) 1pair (2) 5m green test lead 1PCS (3) 10m yellow test lead 1PCS (4) 20m red test lead 1PCS
- Material: UL authenticated material
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Application: UT521, UT522, UT572
- Amount: 1 Group



UT-L36 Dual through hole test leads

- Material: 18AWG UL authenticated material
- Length: 1100mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT505B
- Amount: 1 pair



UT-L37 Dual through hole test leads

- Material: Double insulated wire, 102 cores
- Length: 1090mm
- Safety level: CAT III 1000V/CAT IV 600V
- Application: UT500 series
- Amount: 1 pair



UT-L40 SMD patch clamp

- Leads length: 450mm, probe length: 5mm
- Temperature condition: -10°C~40°C
- Safety level: CAT II 1000V 2A
- Features and application: used to SMT components, for UT612
- Amount: 1pc



UT-L41 Alligator clip short test leads

- Core: 19/20
- Length: 110-130mm
- Features and application: full protection cross input terminal, used for UT71 series, UT601, UT603
- Amount: 1 pair



TEST LEADS/MAGNETIC HANGER

UT-L Series



- UT-L42 Kelvin clips double insulated wire**
- Length: 1000mm
 - Features and application: AV input lead, used for UT620A
 - Amount: 1 pair



- UT-L44 Group test leads**
- Length: 1000mm
 - Application: UT221, UT222
 - Amount: 1PC



- UT-L65 Gold plated test probes**
- Lead length: 1200mm
 - Rod length: 130mm
 - Tip length: 17.5mm
 - Category rating: CAT III 1000V/CAT IV 600V 10A
 - Features and applications: Gilded tip; removable tip shield sleeve; general type probe.
 - Amount: 1 pair



- UT-L90 Test Probe with Extra-Fine Tip**
- Lead length: 1200mm
 - Rod length: 130mm
 - Tip length: 17.5mm
 - Category rating: CAT II 1000V 10A
 - Features and applications: UT-L90 is a general-purpose test probe designed with fine plating tip and protective sleeve, applicable for measuring fine components and IC pins.
 - Amount: 1 pair



THERMOCOUPLES

UT-T Series



UT-T01 Thermocouple

- Accuracy: $\pm 0.75\%$
- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Features and application: Teflon covered insulation, through hole input, used for general temperature measurement, not for liquid measurement
- Amount: 1pc



UT-T04 Through hole thermocouple

- Probe length: 180mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 600^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1112^{\circ}\text{F}$)
- Features and application: metal covers from head to handle, used for food and other liquid or gel temperature measurement
- Amount: 1pc



UT-T06 Surface temperature thermocouple

- Probe length: 125mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 500^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 932^{\circ}\text{F}$)
- Features and application: aimed at flat or slightly convex surface, used for hot roller and vessel surface temperature measurement
- Amount: 1pc



UT-T09K Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: crosshead socket type input, used for UT139C/E/S, UT216C/D, UT210D, UT213B/C, UT171B/C, UT219M, UT219DS, UT222
- Amount: 1pc



UT-T11 Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: through hole input, used for UT58 series, UT195M
- Amount: 1pc



UT-T13 Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 1000^{\circ}\text{C}$
- Features and application: used for UT206A
- Amount: 1PC

UT-T03 Submersed thermocouple

- Probe length: 180mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 600^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1112^{\circ}\text{F}$)
- Features and application: metal covers from head to handle, used for liquid and gel temperature measurement
- Amount: 1pc



UT-T05 Gas thermocouple

- Probe length: 56mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 900^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 1652^{\circ}\text{F}$)
- Features and application: protected by stainless steel gas adjusting hole, used for air or gas temperature measurement, not for liquid temperature measurement
- Amount: 1pc



UT-T07 Surface temperature measuring thermocouple

- Probe length: 200mm
- Lead wire length: 1000mm
- Test range: $-50^{\circ}\text{C}\sim 500^{\circ}\text{C}$ ($58^{\circ}\text{F}\sim 932^{\circ}\text{F}$)
- Features and application: probe bends for 90° , aimed at flat or slightly convex surface, used for hot roller and vessel surface temperature measurement
- Amount: 1pc



UT-T10K Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 260^{\circ}\text{C}$ ($40^{\circ}\text{F}\sim 500^{\circ}\text{F}$)
- Accuracy: $\pm 0.75\%$
- Features and application: used for UT213 series, UT39C, UT204A, UT206, UT208, UT208A, UT107, UT109, UT136C+, UT133A, UT89X, UT39C+
- Amount: 1pc



UT-T12 Temperature probe

- Test range: $0^{\circ}\text{C}\sim 800^{\circ}\text{C}$ (Error $\pm 0.4\%$)
- Features and application: Through hole input, used for UT321, UT322, UT325, UT181A
- Amount: 1pc



UT-T14 Temperature probe

- Test range: $-40^{\circ}\text{C}\sim 1000^{\circ}\text{C}$
- Features and application: Philips type plug, used for UT222
- Amount: 1PC



THERMOCOUPLES/ALLIGATOR CLIPS/KELVIN CLIPS

UT-T/UT-C Series



UT-T15 K-type temp clamp

- Test range: -40°C-200°C
- Jaw opening: 35mm
- Lead wire length: 2000mm
- Features and application: Flat plug for any K-type temperature recording meter
- Amount: 1 pair



UT-T17 Temp clamp (Coming soon)

- Temperature range: -50~+150°C
- Accuracy: $\pm 0.5^{\circ}\text{C}$ (-50~90°C), ± 1 (other)
- Length: 2m
- Connection type: UT-T17: Earphone plug, matches UT336P
- Operating temperature: -20~50°C (Wire insulation, temperature clamp: Max 150°C)



UT-C01 Hook type test clamps

- Specifications: Rod length 62mm, hook can extend to 7.5mm
- Safety level: CAT III 1000V 10A
- Features: With safety handle and spring hook type alligator clips
- Amount: 1 pair



UT-C02A Through hole alligator clips

- Specifications: Length 80mm, opening 36mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031:2015
- Amount: 1 pair



UT-C02B (M4) threaded bore alligator clips

- Specifications: Length 80mm, opening 36mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031:2015
- Amount: 1 pair



UT-C04A Through hole alligator clips

- Specifications: Length 75mm, opening 27mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Safety certificate: EN 61010-031:2015
- Amount: 1 pair



UT-C05A (M4) threaded bore alligator clips (with protector)

- Specifications: Length 67mm, opening 8.3mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Amount: 1 pair



UT-C05B Through hole alligator clips (with protector)

- Specifications: Length 71mm, opening 8.3mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Amount: 1 pair



UT-C06 Test probes

- Specifications: Rod length 106mm, probe length 19mm
- Safety level: CAT III 1000V 10A
- Features: Fully-insulated, with tip and protector, banana plug probes
- Amount: 1 pair



THERMOCOUPLES/ALLIGATOR CLIPS/KELVIN CLIPS

UT-C Series



UT-C07 Multifunctional electric test clips

- Specifications: Rod length 110mm, adjustable clip length 8mm
- Safety level: CAT III 1000V/CAT IV 600V 5A
- Features: Standard transfer socket, adjustable multifunctional clips
- Amount: 1 pair



UT-C09 Test probes

- Specifications: Rod length 99mm, probe length 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features: Fully-insulated, with tip and protector, lantern type probes
- Amount: 1 pair



UT-C08 Test probes

- Specifications: Rod length 99mm, probe length 18mm
- Safety level: CAT III 1000V/CAT IV 600V 10A
- Features: Fully-insulated, with tip and protector, straight type probes
- Amount: 1 pair



UT-C12 Through hole alligator clips (with protector)

- Specifications: Length 53mm, opening 6mm
- Amount: 1 pair



ADAPTER SOCKETS/POWER ADAPTERS/DATA CABLES

UT-S/UT-W Series/UT-D Series



UT-S01B Multifunctional adapter socket

- Function: Adapter test of temperature, capacitance and transistor
- Suitable products: UT58 series
- Amount: 1pc



UT-S06 Power adapter socket

- Suitable products: UT171 series- UT181
- Amount: 1pc



UT-S07 Temperature adapter socket

- Suitable product: UT181A
- Amount: 1pc



UT-S08 UT612 adapter socket

- Suitable products: UT612
- Amount: 1pc



UT-W03 Power adapter

- Input: AC230V 50/60Hz 65mA
- Output: DC14.5V 600mA
- Certification: ErP
- Suitable products: UT512, UT511
- Amount: 1pc



UT-W04 Power adapter

- Input: AC230V 50/60Hz
- Output: DC14.5V+0.5V 1.0A
- Certification: ErP
- Suitable products: UT513, UT513A
- Amount: 1pc



UT-W05 Power adapter

- Input: 100~240V 50/60Hz
- Output: DC9V 4A outer positive inside negative
- Certification: ErP
- Suitable products: UT620A
- Amount: 1pc



UT-W07 Power adapter

- Input: AC100~240V 50/60Hz
- Output: DC10V 500mA input short-circuit protection
- Certification: ErP
- Suitable products: UT181A, UT171B/C
- Amount: 1pc



UT-D09 USB data cable

- Wire length: 1m
- Features: USB interface, two-way transmission
- Suitable products: UT171 series, UT243, UT181A
- Amount: 1pc



UT-D11 USB connecting wire

- Wire length: 1m
- Suitable products: UT305A, UT305C, UT315, UT321, UT322, UT325, UT382, UT612, UT362
- Amount: 1pc



CHARGING STAND/MAGNETIC HANGER

UT-W Series/UT-B Series



UT-W12 Adapting charging stand

- Input Voltage and Current: DC 16.8V, 2A
- Input Interface: DC-005U 5.5-2.0MM
- Output Voltage and Current: DC 16.8V, 2A
- Output Interface: Special Lithium battery blade plug
- Compatible products: UT513B, UT513C, UT513D, UT512E



UT-M18 Lithium battery pack

- Voltage: 14.8V
- Rated capacity: 5200mAh 76.96Wh
- Compatible products: UT513B, UT513C, UT513D, UT512E



UT-B23 Magnetic hanger

- Features & applications: The magnetic hanger (general accessory) can be applied in power distribution cabinet, photovoltaic combiner box, automobile engine hood, and more. It is suitable for use with UT117C, UT15B MAX, UT17B MAX, UT18B MAX, etc.
- Color: Black
- Quantity: 1PCS



UT-B24 Magnetic hanger

- Features & applications: The magnetic hanger (general accessory) can be applied in power distribution cabinet, photovoltaic combiner box, automobile engine hood, and more. It is suitable for use with UT196, UT195 series, UT60 series etc.
- Color: Black
- Quantity: 1PCS



