

UT197

Industrial Digital Multimeter

Built for reliability in harsh conditions, the UT197 true RMS multimeter offers precise readings with IP67, -40°C~55°C working temp., and 5m drop-proof. CAT IV 1000V safe for power, HVAC, and industrial work—all-in-one reliability.

Product Highlights:

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

Specifications	Range	Accuracy
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
AC current (A)	600.00uA~10.000A	±(0.5%+50)
DC current (A)	600.00uA~10.000A	±(0.1%+20)
AC+DC current (A)	600.0uA~10.00A	±(1.0%+5)
AC voltage (V)	600.00mV~1000.0V	±(0.3%+20)
Voltage (DCV) (60000 count)	600.00mV~1000.0V	±(0.03%+5)
Voltage (DCV) (600000 count)	600.000mV~1000.00V	±(0.015%+10)
Auto AC/DC voltage	600.0V	±(0.8%+5)
Voltage range (ACV+DCV)	600.0mV~1000V	±(0.8%+5)
External current (DC) (Optional: UT-CS07)	100.0A (10mV/A)/1000A(1V/A)	±(1.5%+5)
External current (AC) (Optional: UT-CS07)	100.0A (10mV/A)/1000A(1V/A)	±(1.5%+5)
Frequency (Hz)	10Hz~1MHz	±(0.002%+5)
Resistance (Ω)	600.00Ω~60.00MΩ	±(0.07%+2)
Capacitance (F)	60.00nF~60.00mF	±(0.8%+3)
Temperature (°C)	-40°C~1000°C	±(1.0%+15)
Temperature (°F)	-40°F~1832°F	±(1.0%+30)
Duty cycle (%)	10Hz~10kHz (10%~90%)	±(1.2%+5)
True RMS value	√	
Display count	600000 (DCV); 9999 (frequency)	
Diode test	3.0V	
Non-Contact voltage	√	
Peak capture	√	
Maximum/Minimum value	√	
High voltage alarm	√	
Miswired probe alarm	√	
Overrange indicator	√	
Bluetooth	√	
Drop test	5m	
IP protection level	IP67	
Safety standard level	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)



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT15B/17B/18B MAX

True RMS 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.

Product Highlights:

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

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)	
Voltage (AC)	600.0mV/6.000V/60.00V/600.0V/1000V	±(0.5%+5)	
VFD (Voltage)	600.0V	±(8%)	
Current (AC)	600.0μA/6000μA /60.00mA/600.0mA/6.000A/10.00A	±(1.2%+3)	
Current (DC)	600.0μA/6000μA /60.00mA/600.0mA/6.000A/10.00A	±(1.2%+3)	
Resistance	600.0Ω/6.000kΩ/60.00kΩ /600.0kΩ/6.000MΩ/60.00MΩ	±(0.5%+2)	
Capacitance	6.000nF/60.00nF~600.0μF/6000μF	±(2.0%+5)	
Frequency (Hz)	10Hz~10MHz	±(0.1%+3)	
Duty cycle	1%~99.9%	±(1.0%+4)	
Display count	6000		
Overvoltage category	CAT III 600V		
Main features	UT15B MAX	UT17B MAX	UT18B MAX
Temperature (°C/°F)		-55°C~500°C/-67°F~932°F (±2°C/±4°F)	
VFD	√	√	√
Continuity/Diode	√	√	√
Data hold	√	√	√
MAX/MIN	√	√	√
Relative mode	√	√	√
LED test			√
Mis-plug alarm	√	√	√
Any-key wake up	√	√	√

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



UT18B MAX



(Optional)



UT33+ SERIES

Palm Size Digital Multimeters

The UT33+ 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.

Product Highlights:

- ◆ 2m drop protection
- ◆ Clear LCD display
- ◆ 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	UT33A+	UT33B+	UT33C+	UT33D+
DC voltage (V)	200mV~600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	200mV~600V	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
DC current (A)	10A	±(1%+2)			
	200μA~10A		±(1%+2)		±(1%+2)
AC current (A)	10A	±(1.2%+3)			
	200μA~10A			±(1%+2)	±(1%+2)
Resistance (Ω)	200MΩ	±(0.8%+2)			
	200Ω~20MΩ		±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	2mF	±(4%+8)			
Temperature	-40°C~1000°C			±(1%+4)	
	-40°F~1832°F			±(1.5%+5)	
Display count		2000	2000	2000	2000
Range selection		Auto	Manual	Manual	Manual
Battery test			1.5V/9V/12V	1.5V/9V/12V	1.5V/9V/12V
NCV					√
Overvoltage category		CAT II 600V	CAT II 600V	CAT II 600V	CAT II 600V

Characteristics

Standard accessories	Batteries, test leads, k-type thermocouple (UT33C+), English manual
Power	1.5V battery (R03) x 2
Display	53 x 28mm
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+: 18.6kg; UT33B+: 19.4kg; UT33C+: 20.2kg; UT33D+: 19.8kg



UT33A+



UT131 SERIES

Palm Size Digital Multimeters

The 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.

Product Highlights:

- ◆ 2m drop protection
- ◆ Clear LCD display
- ◆ 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	UT131A	UT131B	UT131C	UT131D
DC voltage (V)	200mV~600V	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
AC voltage (V)	200mV~600V	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)
DC current (A)	10A	±(1%+2)			
	200μA~10A		±(1%+2)		±(1%+2)
AC current (A)	10A	±(1.2%+3)			
	200μA~10A			±(1%+2)	±(1%+2)
Resistance (Ω)	200MΩ	±(0.8%+2)			
	200Ω~20MΩ		±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitance (F)	2mF	±(4%+8)			
Temperature	-40°C~1000°C			±(1%+4)	
	-40°F~1832°F			±(1.5%+5)	
Display count		2000	2000	2000	2000
Range selection		Auto	Manual	Manual	Manual
Battery test			1.5V/9V/12V	1.5V/9V/12V	1.5V/9V/12V
NCV					√
Overvoltage category		CAT II 250V	CAT II 250V	CAT II 250V	CAT II 250V

Characteristics

Standard accessories	Batteries, test leads, k-type thermocouple (131C), English manual
Power	1.5V battery (R03) x 2
Display	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	131A: 18.6kg; 131B: 19.4kg; 131C: 20.2kg; 131D: 19.8kg



UT131A



UT39+ SERIES

Digital Multimeters

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.

Product Highlights:

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

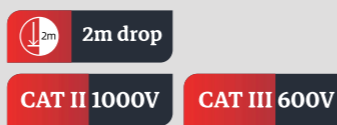
All the models in this page share the same mold.

Specifications	Range	UT39A+	UT39C+	UT39E+
DC voltage (V)	400mV~1000V 200mV~1000V	±(0.5%+5)	±(0.5%+5)	±(0.05%+3)
AC voltage (V)	4V~750V 200mV~1000V	±(0.8%+3)	±(0.8%+3)	±(0.5%+10)
DC current (A)	40μA~10A 400μA~10A 2000uA~20A	±(0.8%+3)	±(0.8%+3)	±(0.5%+5)
AC current (A)	40mA~10A 4mA~10A 2000uA~20A	±(1%+2)	±(1%+2)	±(0.8%+10)
Resistance (Ω)	400Ω~200MΩ 400Ω~40MΩ 200Ω~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			√	√
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



UT39E+



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.

Product Highlights:

- ◆ 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)

Specifications	Range	UT60EU	UT60BT	UT60S
DC Voltage	9.999mV~999.9mV/ 9.999V~999.9V	±(0.5%+3)	±(0.5%+3)	±(0.5%+3)
AC Voltage	9.999mV~999.9mV/ 9.999V~999.9V	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
DC Current	999.9uA~10A	±(0.8%+3)	±(0.8%+3)	±(0.8%+3)
AC Current	999.9uA~10A	±(1.0%+3)	±(1.0%+3)	±(1.0%+3)
Resistance	999.9Ω~99.99MΩ	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)
Capacitor	9.999nF~9.99mF 9.999nF~99.9mF	±(4.0%+5)	±(4.0%+5)	±(4.0%+5)
Frequency	99.99Hz~9.999MHz	±(0.1%+5)	±(0.1%+5)	±(0.1%+5)
Duty cycle (%)	0.1~99.9%	±(3%+5)	±(3%+5)	±(3%+5)
Temperature (°C/°F)	-40°C~1000°C/-40°F~1832°F	±4°C/±5°F	±4°C/±5°F	±4°C/±5°F

Main features	UT60EU	UT60BT	UT60S
Bluetooth		√	
Buttons design			√
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

CAT II 1000V CAT III 600V

True RMS



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- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT61+ SERIES

1000V True RMS Digital Multimeters

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

Product Highlights:

- ◆ Audible/visible alarm for NCV
- ◆ 22000 display count (UT61E+)
- ◆ LoZ ACV(UT61D+ only)
- ◆ Transistor hFE (UT61E+)
- ◆ Gold plated test leads
- ◆ 10KHz bandwidth (UT61E+)



Gold plated test leads



UT61E+



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT-D07B (Optional)



All the models in this page share the same mold.

Specifications	Range	UT61B+	UT61D+	UT61E+
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
Bluetooth		√	√	√
Bandwidth (Hz)		40Hz~500Hz	40Hz~1kHz	40~10kHz
LPF ACV			√	
LoZ ACV			√	
ACV+DCV				√
Transistor hFE				√
Peak hold			√	√
Analog bar		31	31	46
Overtoltage category		CAT III 1000V, CAT IV 600V		

Characteristics

Standard accessories	Battery, gold plated test leads, USB cable, temperature probe (D+/D), multi-purpose socket (E+/E), English manual
Optional accessories	Bluetooth adaptor (UT-D07B)
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	480 x 370 x 365mm
Standard carton gross weight	15.2kg



UT161 SERIES

1000V True RMS Digital Multimeters

The UT161 series are true RMS digital multimeters with display counts of 6000 (UT161B/UT161D) and 22,000 (UT161E). They measure up to 1000V AC/DC and feature alarms for high voltage/current, suitable for diverse applications.

Product Highlights:

- ◆ Audible/visible alarm for NCV
- ◆ 22000 display count (UT161E)
- ◆ LoZ ACV(UT161D only)
- ◆ Transistor hFE (UT161E)
- ◆ Gold plated test leads
- ◆ 10KHz bandwidth (UT161E)



Gold plated test leads



UT161B



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT-D07B (Optional)



All the models in this page share the same mold.

Specifications	Range	UT161B	UT161D	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
Bluetooth		√	√	√
Bandwidth (Hz)		40Hz~500Hz	40Hz~1kHz	40~10kHz
LPF ACV			√	
LoZ ACV			√	
ACV+DCV				√
Transistor hFE				√
Peak hold			√	√
Analog bar		31	31	46
Overtoltage category		CAT III 1000V, CAT IV 600V		

Characteristics

Standard accessories	Battery, gold plated test leads, USB cable, temperature probe (D+/D), multi-purpose socket (E+/E), English manual
Optional accessories	Bluetooth adaptor (UT-D07B)
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	480 x 370 x 325mm
Standard carton gross weight	17.8kg

UT71 SERIES

Intelligent Digital Multimeters

UT71 series can quickly solve complex problems on electronics, factory automation, distribution and electronic engineering equipment. We can set upper and lower limits, a very useful feature for improving electronics mass production inspection and screening efficiency.



UT71E

CAT III 1000V CAT IV 600V
True RMS Bluetooth



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT-D07B (Optional)



Product Highlights:

- ◆ High display count
- ◆ Mis-plug alarm
- ◆ Auto/Manual selectable
- ◆ Data logging
- ◆ Duty cycle
- ◆ Loop current measurement

Specifications	Range	UT71A	UT71B	UT71C	UT71D	UT71E
DC voltage (V)	1000V	±(0.1%+8)	±(0.05%+5)	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC voltage (V)	1000V	±(0.8%+40)	±(0.6%+40)	±(0.4%+30)	±(0.4%+30)	±(0.4%+30)
DC current (A)	10A	±(0.2%+20)	±(0.15%+20)	±(0.1%+15)	±(0.1%+15)	±(0.1%+15)
AC current (A)	10A	±(1%+15)	±(0.8%+15)	±(0.7%+15)	±(0.7%+15)	±(0.7%+15)
Resistance (Ω)	20MΩ	±(0.5%+20)	±(0.4%+20)			
	40MΩ			±(0.3%+8)	±(0.3%+8)	±(0.3%+8)
Capacitance (F)	20mF	±(1.5%+20)	±(1.2%+20)			
	40mF			±(1%+20)	±(1%+20)	±(1%+20)
Frequency (Hz)	20Hz~200MHz	±(0.1%+15)	±(0.1%+15)			
	40Hz~400MHz			±(0.01%+8)	±(0.01%+8)	±(0.01%+8)
Temperature	-40°C~1000°C		±(1%+30)	±(1%+30)	±(1%+30)	±(1%+30)
	-40°F~1832°F		±(1.5%+50)	±(1.5%+50)	±(1.5%+50)	±(1.5%+50)
Power	2500W					(2%+5)
Display count		20000	20000	40000	40000	40000
Bluetooth		√	√	√	√	√
Data storage			100 sets	100 sets	9999 sets	100 sets
Category ratings		CAT III 1000V, CAT IV 600V				

Characteristics

Standard accessories	Battery, test leads, test clips, USB interface cable, power adaptor (UT71E) point contact temperature probe (UT71B/UT71C/UT71D/UT71E), English manual
Power	9V battery (6F22)
Display	73 x 50mm
Product size	200 x 93 x 40mm
Product net weight	384g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	10pcs
Standard carton measurement	UT71A/UT71B/UT71C/UT71D: 515 x 380 x 205mm; UT71E: 540 x 360 x 275mm
Standard carton gross weight	UT71A/UT71B/UT71C/UT71D: 9.8kg; UT71E: 12.5kg

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.

Product Highlights:

- ◆ RPM test
- ◆ Dwell angle test
- ◆ VFC test
- ◆ High voltage alarm

Specifications	Range	UT105+	UT107+
DC voltage (V)	400.0mV~1000V	±(0.5%+3)	
	600.0mV~1000V		±(0.5%+3)
AC voltage (V)	4.000V~1000V	±(0.8%+3)	
	6.000V~1000V		±(0.8%+3)
AC current (A)	4.000mA~10A (20A for 10s max)	±(1.0%+8)	
	6.000mA~10A (20A for 10s max)		±(1.0%+8)
DC current (A)	4.000mA~10A (20A for 10s max)	±(0.8%+8)	
	6.000mA~10A (20A for 10s max)		±(0.8%+8)
Resistance (Ω)	400.0Ω~40MΩ	±(0.8%+3)	
	600.0Ω~60MΩ		±(0.8%+3)
Capacitance (F)	6.000nF~100mF		±(3%+10)
Frequency (Hz)	10Hz~10MHz	±(0.1%+5)	±(0.1%+5)
Temperature (°C)	-40°C~1000°C	±(1.0%+3)	±(1.0%+3)
Temperature (°F)	-40°F~1832°F	±(1.5%+5)	±(1.5%+5)
VFC	1000V	±(2.0%+10)	±(2.0%+10)
RPM	2STR	±(3.0%+5)	±(3.0%+5)
	4STR	±(3.0%+3)	±(3.0%+3)
Dwell angle	1CYL(0~356.4°)/2CYL(0~178.2°) /3CYL(0~118.8°)/4CYL(0~89.1°) /5CYL(0~71.3°)/6CYL(0~59.4°) /8CYL(0~44.5°)	±(3.0%+5)	±(3.0%+5)
Pulse width	999.9mS		±(1.5%+10)
Battery test	12V		±(2.5%+3)
Display count		4000	6000
High voltage alarm			√
Over range alarm			√
Backlight			√
Low battery indication	<2.4V approximately	√	√
Auto power off	Approximately 15 minutes	√	√
Drop proof		1m	1m
Overvoltage category		CAT II 1000V, CAT III 600V	



UT105+



UT107+

1m drop Dual fuses
CAT II 1000V CAT III 600V
True RMS



UT89X SERIES

True RMS Digital Multimeters

The UT89X series is a range of true-RMS, high-resolution, precision digital multimeters with comprehensive functionality. Designed to meet CAT II 1000V/CAT III 600V safety standards, these products feature overvoltage/overcurrent alarm functions and full-range protection against high-voltage misoperation.

Product Highlights:

- ◆ 1000V AC/DC voltage test
- ◆ 20A AC/DC current test
- ◆ Audible/visual alarm
- ◆ PEAK & LPF function

Specifications	Range	UT89X	UT89XD	UT89XE
DC voltage (V)	600mV~1000V 200mV~1000V	±(0.5%+2)	±(0.5%+2)	±(0.05%+5)
AC voltage (V)	6V~1000V 200mV~1000V	±(0.8%+5)	±(0.8%+5)	±(0.8%+25)
DC current (A)	60μA~20A 2000μA~20A	±(0.8%+8)	±(0.8%+8)	±(0.5%+4)
AC current (A)	60mA~20A 2000μA~20A	±(1%+12)	±(1%+12)	±(1.5%+15)
Resistance (Ω)	600Ω~60MΩ 200Ω~200MΩ	±(0.8%+3)	±(0.8%+3)	±(0.4%+5)
Capacitance (F)	6nF~100mF 20.000nF~200mF	±(2.5%+20)	±(2.5%+20)	±(4%+50)
Conductance (ns)	200ns			±(1.2%+50)
Frequency (Hz)	9.999Hz/9.999MHz 200.00Hz~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)
Display count		6000	6000	20000
Live wire test		√ (>60V, 50Hz/60Hz)		
LED test			12V	
Audible/visual alarm	V/A/Cap/Diode	Live/hFE/NCV	Live/hFE/NCV	√
Continuity/Diode		√	√	√
Transistor hFE		√	√	
High voltage/Voltage OL alarm		√	√	√
Any-key awake		√	√	
NCV test		√	√	
Backlight		√	√	√(auto)
Flashlight		√	√	
MAX/MIN				√
Peak Hold				√
LPF measurement				√
Drop proof		1m	1m	1m
Overvoltage category		CAT II 1000V, CAT III 600V		

Characteristics	
Power	4x1.5VAAA
Product color	Red + Grey
Product weight	345g
Product dimension	189 x 89 x 53mm
Standard accessories	Manual, test lead, temperature probe (UT89X, UT89XE)
SPQ	20 pcs
Package dimension	690 x 450 x 340mm
Package weight	Around 12kg



UT89XE
(UT89X/UT89XD share the same mold)

1m drop Audible / Visible Alarm
 CAT II 1000V CAT III 600V
 True RMS

Capacitor Measurement	
	Fully charged
	Charging in progress

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



UT116 SERIES

SMD Testers

The UT116 series is a compact, integrated, and practical measurement meter with LED testing, continuity check, and battery test(UT116C) functions. It can automatically identify resistors, capacitors, and diodes, making it convenient for component screening. Primarily used for measuring SMD resistors, capacitors, and diodes, it serves as an excellent tool for electronics manufacturing and repair.

Product Highlights:

- ◆ Auto identify
- ◆ Auto range
- ◆ Diode/Continuity test
- ◆ LED test
- ◆ Auto power off
- ◆ Low battery indication

Specifications	UT116A	UT116C
Certificates	CE, UKCA	
Display count	3000	6000
Resistance	300Ω~30MΩ; ±(1.5%+5)	600Ω~60MΩ; ±(1.0%+10)
Capacitance	3nF~30mF; ±(2.5%+5)	9.999nF~100mF; ±(2.5%+10)
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	√	
Select	√	√
HOLD	√	√
Low battery indication	√	√
Auto power off	√	√

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



UT116C

Auto range Auto identify
 Data hold Portable design



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



Probe attachment



LED measurement

UT117C

High-precision True RMS Digital Multimeter

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.

Product Highlights:

- ◆ True RMS with 60000 count
- ◆ Fast measurement
- ◆ Ergonomic design
- ◆ Bussmann Fuse for input protection

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)
Capacitance	1000nF/10.00uF/100.0uF	±(1.9%+5)
	1000uF/10000uF	±(2.5%+5)
Display count	60000	
Bluetooth	√	
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



UT117C



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



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.

Product Highlights:

- ◆ Multi-function all in one
- ◆ Audible and Visible indication
- ◆ Built-in test lead holder
- ◆ Fine-tipped test lead for R&D
- ◆ Pen type design



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)
	60.00MΩ ±(2.5%+5)
Capacitance	600.0nF/6.000uF/60.00uF/600.0uF ±(3.5%+8)
	60.00mF ±(10.0%+9)
Frequency	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



UT120 SERIES

Pocket Size 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.

Product Highlights:

- ◆ 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)	4V/40V/400V/600V	±(0.8%+1)
AC voltage (V)	4V/40V/400V/600V	±(1.2%+3)
DC current (A)	400μA/4mA/40mA/400mA	±(1.0%+3) (UT120C)
AC current (A)	400μA/4mA/40mA/400mA	±(1.5%+5) (UT120C)
Resistance (Ω)	400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ	±(1%+2)
Capacitance (F)	4nF/40nF/400nF/4μF/40μF/100μF	±(4%+3) (UT120B/UT120C)
Frequency (Hz)	99.99Hz~99.99KHz	±(0.5%+3)

Main features		
Display count		3999
Auto range		√
Duty cycle	0.1%~99.9%	√
Diode	1mV	√
Auto power off	Around 30 minutes	√
Continuity		√
Low battery indication	≤2.4V	√
Data hold		√
REL		√

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

(UT120A/UT120B only)



UT120C

CAT II 600V



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.

Product Highlights:

- ◆ Large LCD screen with dual display
- ◆ Auto range & smart measurement
- ◆ Multi-functional all in one
- ◆ APO & Low battery indication

Specifications	Range	UT121A	UT121B	UT122
Manual language	EN, RU, ES			
AC voltage (V)	6V/60V/600V 6V/60V/600V/750V	±(1.0%+3)	±(1.5%+3)	±(1.0%+3)
AC voltage frequency (Hz)	10Hz~1kHz	±(0.5%+2)	±(0.5%+2)	±(0.5%+2)
DC voltage (V)	6V/60V/600V 6V/60V/600V/1000V	±(0.7%+3)	±(1.2%+3)	±(0.5%+3)
Resistance (Ω)	6000Ω/60KΩ/600KΩ/6MΩ/10MΩ 600Ω/6KΩ/60KΩ/600KΩ/60MΩ 600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ	±(2.0%+5)	±(2%+5)	±(2.0%+5)
Capacitance (F)	60nF/600nF~600μF/6000μF~60mF	±(10%+5)		10%
Frequency (Hz)	10Hz~10MHz		±(0.1%+3)	±(0.1%+3)
Temperature (°C/°F)	-40°C~1000°C/-40°F~1832°F		±3°C/±6°F	±3°C/±6°F

Main features	
Display count	6199
Auto range	√
Dual display	√
Data hold	√
Duty cycle	√ (UT122 only)
NCV/LIVE	√
Continuity buzzer	√
Diode test	√ (UT121B & UT122)
Low battery indication & APO	√
Flash light & Backlight	√
High voltage alarm	√
Overvoltage category	CAT III 600V

Characteristics	
Standard accessories	Batteries, test leads, temperature probe (UT121B/UT122), English manual
Power	UT121A/UT121B: 1.5V AAA x 2; UT122: 3.7V Lithium battery
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



UT121A



UT121B



UT122



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.

(UT123T/UT123D only)



(UT123T only)



UT123
(UT123/UT123T share the same mold)



UT123D



Product Highlights:

- ◆ 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%+3)
AC voltage (V)	600V	±(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)
Capacitance (F)	4000μF		±(4%+5)
Temperature (°C)	-40°C~300°C	±(1%+5)	
Temperature (°F)	-40°F~572°F	±(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.



UT125C

Product Highlights:

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

Specifications	Range	Accuracy
DC voltage (V)	600V	±(0.5%+5)
AC voltage (V)	600V	±(1.2%+5)
DC current (A)	400mA	±(1.8%+5)
AC current (A)	400mA	±(2%+8)
Resistance (Ω)	40MΩ	±(1%+5)
Capacitance (F)	100μF	±(4%+10)
Frequency (Hz)	10Hz~60kHz	±(0.1%+5)
Duty cycle	20%~80%	Reference
Operating temperature	0°C~50°C	
Overvoltage 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.

Product Highlights:

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



● Battery status chart

	1.5V	9V
Good	>1.3V	>7.7V
Low	0.95~1.3V	5.7~7.7V
Bad	<0.95V	<5.7V

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		√
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



UT133B
(UT133A/UT133B share the same mold)



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.

Product Highlights:

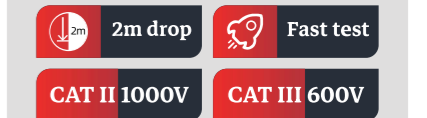
- ◆ Equipped with 3mm protective sleeve
- ◆ Wide measurement range (V+A)
- ◆ Continuity & Diode test
- ◆ APO & LCD Backlight
- ◆ Fast capacitance test

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
Fast capacitance test		√	√
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



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



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.



UT139S

CAT III 600V True RMS



Product Highlights:

- ◆ Auto/Manual range
- ◆ NCV & Continuity test
- ◆ VFC test (UT139A/UT139B/UT139C)
- ◆ LPF/Loz test (UT139S only)
- ◆ All range input protection

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)
Frequency response		45Hz~400Hz	45Hz~1kHz	45Hz~1kHz	45Hz~400Hz
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)
Bandwidth (Hz)		45Hz~400Hz	45Hz~1kHz	45Hz~1kHz	45Hz~400Hz
Diode		Around 2V	Around 3V	Around 3V	Around 3V
Overvoltage category	CAT III 600V				

Main features					
True RMS		√			
Display count		2000	4000	6000	6000
Display type		LCD	LCD	LCD	EBTN
Duty cycle	0.1%~99.9%		√	√	√
Auto range/Manual range		√	√	√	√
NCV/Continuity buzzer		√	√	√	√

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.



UT171C

(UT171B/UT171C share the same mold)

Product Highlights:

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

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
Bluetooth		√	√
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

CAT III 1000V CAT IV 600V

True RMS



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT-D07B (Optional)



UT181A

True RMS Datalogging Multimeter



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.

Product Highlights:

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



UT181A

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	
Display count	60000	
Bluetooth	√	
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



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT-D07B (Optional)



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.

Product Highlights:

- ◆ Continuity & Diode test
- ◆ Auto/Manual range
- ◆ APO & Auto backlight & Flashlight
- ◆ High precise temperature measurement



UT191T
(UT191E/UT191T share the same mold)

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		

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



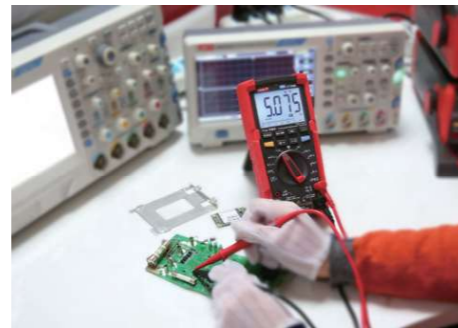
UT195 SERIES

Professional Multimeters

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.



UT195DS



Product Highlights:

- ◆ 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	±(0.1%+4)		
	60Hz~40MHz		±(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		
Overtoltage 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.

Product Highlights:

- ◆ High precision: 6000 display count
- ◆ 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

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			V
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



Live and nature wires identification



Fuse blowing alarm (mA only)



UT890C



UT890D+



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.

Product Highlights:

- ◆ High voltage test with backlight alert
- ◆ Full range overload protection
- ◆ VFC and fast response (only capacitor)

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)

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



UT892

CAT II 1000V CAT III 600V
True RMS 1m drop



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.



UT206C

1000A AC Clamp Meter



UT206C 1000A AC clamp meter features a lightweight and slim design, especially the ultra thin & narrow jaw, it is suitable for more measurement scenarios. It is a reliable and portable tool for electronics and electrical maintenance.

Product Highlights:

- ◆ Ultra narrow/thin Jaw
- ◆ Light weight design
- ◆ Auto identification for Resistance/Continuity/Diode
- ◆ Backlight
- ◆ Data hold



CAT II 600V CAT III 300V
True RMS

Specifications	UT206C	
Current (AC)	60.00A 600.0A 1000A; 0.01A	±(1.5%+5)
Frequency response (ACA)	45~400Hz	
Voltage (AC)	600.0V	±(1.2%+2)
Frequency response (ACV)	45~400Hz	
Voltage (DC)	600.0V	±(0.7%+3)
Resistance	600.0kΩ	±(0.8%+2)
Capacitor	9.999mF	±(2%+5)
Frequency (ACV)	10Hz~100kHz	±(0.1%+3)
Frequency (ACA)	45-400 Hz	±(0.1%+3)
Diode	√	10%

Features	
Clamp opening size	33mm
Display count	6000
True RMS	√
Clamp thick	10mm
Continuity	√
Auto identification	Resistance/Continuity/Diode
Data hold	√
Backlight	√
Category rating	CAT III 300V, CAT II 600V

Characteristics	
Power supply	AAA x 2
Product dimension	190 x 68 x 20mm

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.

Product Highlights:

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

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)
	30nF~300nF		±(4%+10)
Capacitance	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



UT200A+



UT200B+

CAT III 600V True RMS



UT200+/UT200R SERIES

400A/600A Digital Clamp Meters

UT200+ Auto-Ranging True RMS Clamp Meters – CAT II 600V/CAT III 300V rated with full burnout protection for safe, reliable measurements. Combines essential electrical testing with a sleek design, ideal for professionals.

Product Highlights:

- ◆ Auto range measurement
- ◆ NCV test
- ◆ Diode & Continuity test
- ◆ Low battery indication
- ◆ MAX/MIN & Data hold
- ◆ Auto power off

Specifications	Range	UT201+/201R	UT202+/202R	UT202A+/202F	UT203+/203R	UT204+/204R
AC current (A)	400A 600A	±(2%+10)	±(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	±(0.7%+3)	±(0.7%+3)	±(0.7%+3)	±(0.5%+2)	±(0.5%+2)
Resistance (Ω)	40MΩ 60MΩ	±(2.0%+5)	±(2.0%+5)	±(2.0%+5)	±(2.5%+5)	±(2.5%+5)
Capacitance (F)	4mF 40mF 60mF		±10%/±(4%+5)		±10%	±10%
Temperature (°C)	-40°C~1000°C		±(2%+5)	±(10%+10)/±10%		±(2%+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
Duty cycle				v	v(UT203+)	v
Drop proof		1m	1m	1m	1m	1m
Relative mode			v	v	v	v
Zero mode					v	v
Overvoltage category		CAT II 600V, CAT III 300V				

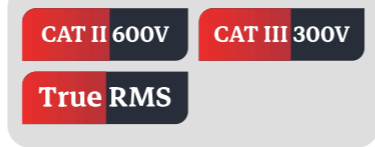
Characteristics	
Standard accessories	Batteries, test leads, Themocouple (UT202+/204+/202R/204R), English manual
Power	1.5V battery (R03) x 2
Display	37 x 25mm
Product size	215 x 63 x 36mm
Product net weight	Around 240g
Standard individual packing	Gift box, carrying bag
Standard quantity per carton	40pcs
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



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)



UT200 SERIES

1000A True RMS 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.

Product Highlights:

- ◆ High precision 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)

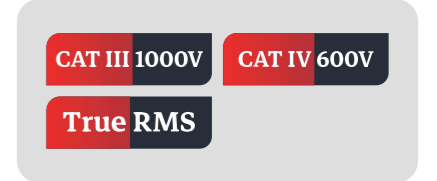
All the models in this page share the same mold.

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)			±(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%+2)
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



UT208B



UT-CS09D (Optional)

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.

Product Highlights:

- ◆ Large Jaw size: 45mm
- ◆ Large current test: 1000ACA
- ◆ Lightweight design
- ◆ Backlight for dim environments

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



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



UT205B

CAT II 1000V CAT III 600V



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.

Product Highlights:

- ◆ NCV function (for voltage)
- ◆ Backlight & Flashlight
- ◆ Dual display (V+Hz; A+Hz)

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
Bluetooth		√	
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



UT202T



UT202BT

Bluetooth
(UT202BT only)

CAT III 600V

True RMS



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.



UT211B

CAT II 600V CAT III 300V
True RMS



Product Highlights:

- ◆ 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

All the models in this page share the same mold.

Specifications	Range	UT210A	UT210B	UT210C	UT210D	UT210E	UT211B
AC current (A)	60A (0.01A resolution)						
	100A 200A	±(2.5%+20)	±(2.5%+20)	±(2%+10)	±(2.5%+8)	±(2.5%+5)	±(2.5%+5)
DC current (A)	60A						
	100A 200A				±(2%+3)	±(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			±(1%+2)	±(1%+2)	±(1%+2)	
	60MΩ						±(0.8%+2)
Frequency (Hz)	60kHz				±(0.1%+4)		
	20mF 62mF			±(4%+5)	±(4%+5)	±(4%+5)	±(4%+5)
Temperature	-40°C~1000°C			±(1%+3)	±(1%+3)		
	-40°F~1832°F			±(1.5%+5)	±(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



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.

Product Highlights:

- ◆ Auto range & input protection
- ◆ Data hold & Relative mode
- ◆ Continuity & Diode test
- ◆ LCD Backlight & Flashlight

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)
	100μF 40mF	±(1%+2)		
Capacitance (F)	100μF		±(4%+5)	±(4%+5)
	40mF			
Frequency	10Hz~1MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)
	-40°C~1000°C		±(1%+3)	±(1%+3)
Temperature	-40°F~1832°F		±(1%+6)	±(1%+6)
	Display count		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



UT213C

CAT III 600V True RMS



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.

Product Highlights:

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



UT216D

CAT II 1000V CAT III 600V
True RMS



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				√	√
Display		LCD	LCD	LCD	OLED
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



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.

Product Highlights:

- ◆ Auto/Manual range
- ◆ 3-phase sequence test (UT219M/DS)
- ◆ Inrush current/AC+DC voltage
- ◆ Fast sampling rate: 3 or 5 times/s



UT219DS

IP54 2m drop
CAT III 1000V CAT IV 600V
True RMS

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			±(1.8%+6)
	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	±(0.1%+6)		
	600Hz~40MHz		±(0.1%+5)	±(0.1%+6)
Duty cycle	0.1%~99.9%	±(2.6%+7)		±(2.6%+7)
Temperature	-40°C~1000°C		±(2%+5)	±(2%+5)
	-40°F~1832°F		±(2%+9)	±(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		

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).

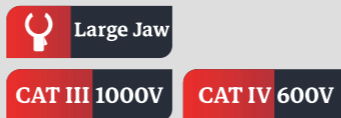


UT220



UT221

(UT221/UT222 share the same mold)



Product Highlights:

- ◆ True RMS test (UT221 & UT222)
- ◆ High current measurement
- ◆ Inrush current (UT221 & UT222)
- ◆ LPF function (UT221 & UT222)

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)
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		

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



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.

Product Highlights:

- ◆ Audible & Visible alarm
- ◆ NCV function & Data hold
- ◆ APO/Backlight/Low battery indication
- ◆ Low battery indication



UT256

UT256A

UT256B

Characteristics	Range	UT256	UT256A	UT256B
AC current (A)	200A	60A: ±(2%+5)	±(1.8%+5)	±(2.5%+5)
DC current (A)	200A	60A: ±(2%+5)		±(2.5%+5)
AC voltage (V)	750V 1000V		±(1.2%+3)	±(1.2%+3)
DC voltage (V)	1000V		±(0.8%+3)	±(0.8%+3)
Resistance (Ω)	60MΩ		±(1%+2)	±(1%+2)
Capacitance (F)	60mF			±(4%+20)
Frequency (Hz)	10~10kHz		±(0.1%+5)	
Display count			6000	6000
Diode test	About 3V			√
NCV		√	√	√
Zero mode		√		√
Relative mode		√		√
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.



2117R

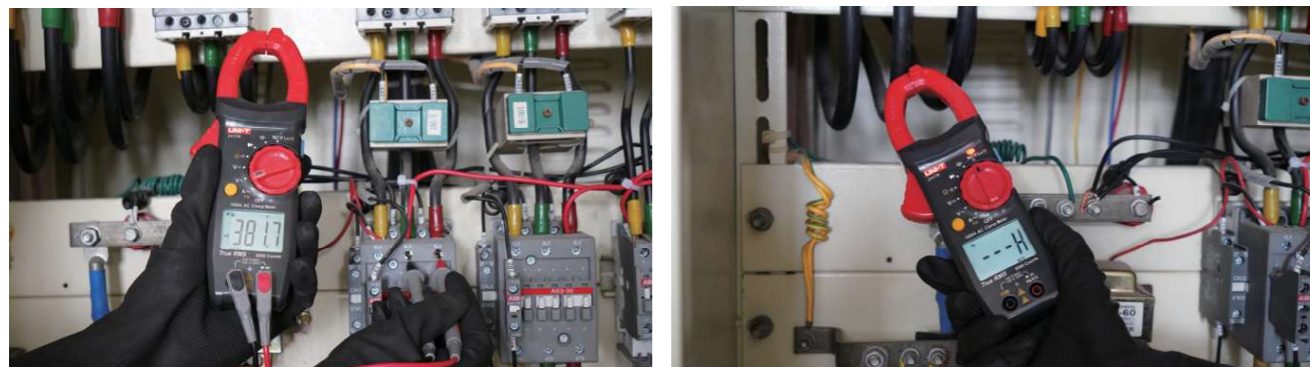
CAT II 1000V **CAT III 600V**
True RMS

Product Highlights:

- ◆ Multifunction all in one
- ◆ 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/CAT II 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



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.

Product Highlights:

- ◆ Compact design
- ◆ 400A ACA current test
- ◆ No need battery



Two connecting methods



Connect through the "mV"

Connect through the "AC sensor"

CAT III 1000V **CAT IV 600V**
True RMS **1m** **1m drop**

Model	UT-CS06A
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ
Dimension	158 x 65 x 33mm
Compatible meters	UT61E+, UT196, UT197, UT206B, UT208B
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-CS07

1000A AC/DC Clamp Sensor

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.



CAT III 1500V CAT IV 600V



Product Highlights:

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

Specification	Range	Output ratio	Accuracy	Input protection
DCA current	100.0A	10mV/A	±(1.5%+0.5A)	1000A
	1000A	1mV/A	±(2.0%+0.5A)	
ACA current	100.0A	10mV/A	±(1.5%+0.5A), 45Hz~200Hz ±(2.0%+0.5A), 200Hz~400Hz	1000A
	1000A	1mV/A	±(2.0%+0.5A), 45Hz~200Hz ±(2.5%+0.5A), 200Hz~400Hz	

Features

Jaw size (measurable dia.)	35mm conductor or 65x8mm busbar
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)	50Hz~400Hz
Waveform display	Adaptable oscilloscope
Accuracy	depends on the Multi-meter
Power supply	AAx2=3V; working current: <50mA
Low battery indication	√
Drop test	1m
Polution degree	2
Working environment	0°C~30°C(<75%RH), 30°C~40°C(<50%RH)
Storage environment	-10°C~50°C(<80%RH);
Overvoltage category	CAT III 1500V/CAT IV 600V

Characteristics

Dimension	276 x 86 x 50mm
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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.

Product Highlights:

- ◆ Wide current range: AC 3000A
- ◆ Multiple test range slectable
- ◆ Equipted 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



UT-CS09D

Flex clamp 1m 1m drop

CAT IV 600V



BNC adapter

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.



UT-M24 AC Electric Vehicle Charging Pile Test Adapter



The UT-M24 is an AC electric vehicle charging pile test adapter. This test adapter (with type 2 connector) simulates the presence of an electric vehicle and is used in conjunction with appropriate testing instruments (such as installation testers, digital multimeters, or oscilloscopes) for testing. The adapter is used to verify whether the AC charging pile works normally after installation and during regular maintenance, or to troubleshoot the charging pile when it does not work properly.



Product Highlights:

- ◆ Charging status simulation
- ◆ Charging fault/alarm simulation
- ◆ Suitable for multiple testers

Specifications	Description	
Charging status simulation	PP Simulation	Open, 13 A, 20 A, 32 A, 63 A
	CP States	State A, B, C, D
Charging fault/alarm simulation	CP Error state "E"	On/off (CP signal short-circuited to PE)
	PE Error state "F" (Earth fault)	On/off (interruption of PE conductor)
PE Pre-Test	Visible indication >50 V, AC/DC between PE conductor and touch sensor	
CP signal terminal	It is used to monitor the CP signal	
Phase indication	Yes	
Testing Terminal	L1, L2, L3, N, PE terminal	
Charging port type	Type 2 (Europe standard) -male	
External power supply plug	yes, it is able to plug the external power plug	
Rated voltage	AC 300V MAX (Single phase); AC 510V MAX (Three phase); 50/60Hz	
Working temperature	-20°C~ +40°C; Relative humidity: 10% to 85%, normal operation, non-condensing	
Storage temperature	-20°C~ +50°C; Relative humidity: 0 to 85% storage, non-condensing	
Safety standard	IEC/EN 61010-1; IEC/EN 61010-2-030	
IP rating	IP54 (with cap closed); IP20 (cap not closed)	
Overtoltage category	CAT II 300V	

IP54 CAT II 300V

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

UT673PV SERIES

Solar MPPT Meters



The UT673PV series solar MPPT meters test 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.

Product Highlights:

- ◆ Large LCD with multiple readings
- ◆ Equipped with MC4 connector
- ◆ Equipped with MC4 wrench
- ◆ Portable and lightweight design

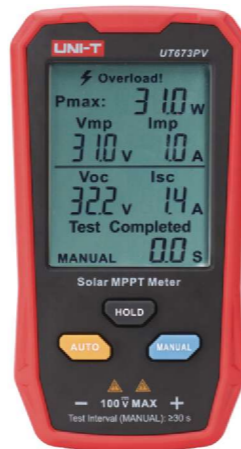
Specifications	UT673PV+		UT673PV	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ			
Pmax	5~1800W	±(1.0%+10)	5~800W	±(1.0%+10)
I _{mp}	0~20A	±(1.5%+5)	0~35A	±(1.5%+5)
V _{mp}	10~150V	±(1.5%+5)	10~60V	±(1.5%+5)
V _{oc}	10~150V	±(1.5%+5)	10~60V	±(1.5%+5)
I _{sc}	0~20A	±(1.5%+5)	0~35A	±(1.5%+5)
Display	Large LCD (52 x 66mm)		Large LCD (52 x 66mm)	
Reverse polarity connect protection	√		√	
Over voltage protection	√		√	
Over current protection	√		√	
Over temperature protection	√		√	
Over power protection	√		√	
Manual MPPT test	√		√	
Bluetooth app	√		√	
Data hold	√		√	
Data storage	√		√	
Power supply	1.5V AAA x 3			
Category rating	CAT 0 150V		CAT 0 60V	

Characteristics	Red + Black	
Product color	Red + Black	
Product size	169 x 81 x 46mm	143 x 74 x 25mm



UT673PV+

CAT 0 150V



UT673PV

CAT 0 60V



*Equipped with MC4 connector & Wrench



UT541

15KW Photovoltaic I-V Curve Analyzer



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.

Product Highlights:

- ◆ I-V curve test: 15kW (with STC converting)
- ◆ Solar irradiance: 0~1300W/m²
- ◆ Working temp.: -40°C to 120°C
- ◆ Voc/V_{mp} @OPC test: 1500V/20A
- ◆ I_{sc}/I_{mp} @OPC test: 0.10-20.00A
- ◆ CAT III 1500V

Specifications	EN, FR, DE, IT, ES, SV, PL, CZ	
Manual language	EN, FR, DE, IT, ES, SV, PL, CZ	
Voc/V _{mp} @OPC	1500V/20A	±(0.5%+2)
I _{sc} /I _{mp} @OPC	0.10-20.00A	±(1%+2)
Pmax @OPC	15kW	±(1%)
Voc/V _{mp} @STC	5.0 V to 1500 V	
I _{sc} /I _{mp} @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.

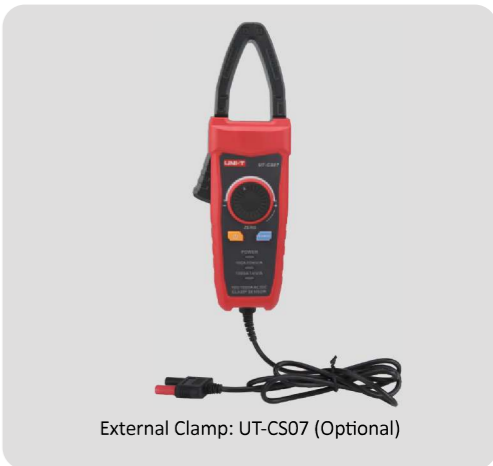


CAT III 1500V



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



External Clamp: UT-CS07 (Optional)

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.



Product Highlights:

- ◆ High precision with 6000 display count
- ◆ Voltage test: DC 2500V+AC 1500V
- ◆ Power measurement
- ◆ Working temp.: -40°C to 55°C

Voltage & Power measurement



- 1500V AC
- 2500V DC
- 1500kVA AC
- 2500kVA DC



Working environment (-40°C-55°C)



High Ruggedness (IP67 water/Dust proof)

- IP67
- 5m drop
- CAT III 1500V
- CAT IV 1000V
- True RMS



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;

External Clamp: UT-CS07 (Optional)



Specification			
Voltage (DCV)		600.0mV	±(0.3%+5)
		6.000V/60.00V/600.0V	±(0.2%+5)
		2500V	±(1.0%+5)
Voltage (ACV)	45~1kHz	600.00mV/6.000V/60.00V/600.0V/1500V	≥45Hz, <500Hz: ±(0.8%+3)
			≥500Hz, <1kHz: ±(1.8%+3)
VFD (ACV)	45~200Hz	600.0V/1500V	±(2.0%+5)
Auto Loz	45~400Hz	600.0V	±(1.5%+5)
		1500V	±(1.8%+5)
ACV+DCV		600.00mV/6.000V/60.00V/600.0V/1500V	≥45Hz, <500Hz: ±(1.5%+5); ≥500Hz, <1kHz: ±(2.5%+5);
Resistance		600.0Ω	±(0.8%+5)
		6.000kΩ/60.00kΩ/600.0kΩ/6.000MΩ	±(0.5%+5)
		60.00MΩ	±(2.5%+5)
Capacitance		60.00nF	±3.0%
		600.0nF/6.000μF/60.00μF/600.0μF	±(3.0%+5)
Continuity		600.0Ω	±(10.0%+5)
		600.0Ω	±(1.0%+5)
Diode		3.2V	±(1.0%+5)
Frequency		99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz	±(0.02%+5)
Duty cycle		10Hz~10kHz (10%~90%)	±(2.0%+30)
Temperature		-40°C~1000°C	±(1.0%+30)
		-40°F~1832°F	±(1.0%+60)
External clamp (DCA)	UT-CS07 (optional)	100A(10mV/A) & 1000A(1mV/A)	±(0.8%+5)
External clamp (ACA)	UT-CS07 (optional)	45~400Hz: 100A(10mV/A) & 1000A(1mV/A)	±(1.0%+5)
AC Power 100A (10mV/A)	Active power	60.00kW/150.0kW	±(3.0%+5)
	Apparent power	60.00kVA/150.0kVA	±(2.0%+5)
	Reactive power	60.00kVAr/150.0kVAr	±(5.0%+5)
AC Power 1000A(1mV/A)	Active power	600.0kW/1500kW	±(3.0%+5)
	Apparent power	600.0kVA/1500kVA	±(2.0%+5)
	Reactive power	600.0kVAr/1500kVAr	±(5.0%+5)
DC Power 100A (10mV/A)		60.00kVA/250.0kVA	±(3.0%+5)
		60.00kVA/250kVA	±(3.0%+5)
Display count		6000	
True RMS		√	
PEAK		√ (250μs bandwidth pulse signal)	
Multifunctional protection		√	
Bluetooth		√	
Drop protection		5m	
IP rating		IP67	
Working temperature		-40~55°C	
Overvoltage category		CAT IV 1000V/CAT III 1500V	

The device also includes the following features: analog bar display, non-contact voltage detection (NCV), auto-ranging capability, relative measurement mode (REL), max/min recording, data hold function, high-voltage alert system, low-battery indicator, auto-adjusting backlight, and automatic power-off (APO).

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.

Product Highlights:

- ◆ 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
Alarm/Indication	High voltage alarm; Over range indication
AUTO HOLD	√
Inrush current	√
PEAK	√
Bluetooth	√
Data storage	√
Flexiable 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



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT196

Professional Multimeter - Solar Pro

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.

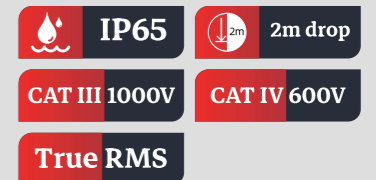
Product Highlights:

- ◆ DC voltage measurement: 1700V
- ◆ Clamp sensor supported (current test)
- ◆ Low pass filter function

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



UNI-T

UT503PV

PV Insulation Tester



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.

Product Highlights:

- ◆ IR test in PV system
- ◆ Portable and compact design
- ◆ Auto AC/DC voltage test
- ◆ Stepping voltage & Auto discharge



Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



Energized device test (DC 1000V; PV)



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 100.1MΩ~1000MΩ	N/A	±(1.5%+5) ±(5%+6)
250V	<1.51MΩ		For reference only
	1.51MΩ~200.0MΩ 200.1MΩ~2000MΩ	N/A	±(1.5%+5) ±(5%+6)
500V	<1.51MΩ	<1.51MΩ	For reference only
	1.51MΩ~1000MΩ 1001MΩ~4000MΩ	1.51MΩ~1000MΩ 1001MΩ~4000MΩ	±(1.5%+5) ±(5%+6)
1000V	<1.51MΩ	<1.51MΩ	For reference only
	1.51MΩ~1000MΩ 1001MΩ~4000MΩ	1.51MΩ~1000MΩ 1001MΩ~4000MΩ	±(1.5%+5) ±(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	

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
Communication interface	Bluetooth, USB
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

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

Insulation Resistance Testers

Insulation resistance testing measures the resistance of electrical insulation materials to prevent current leakage. Our products deliver accurate, reliable readings, helping users identify insulation defects early, avoid equipment breakdowns, ensure electrical safety, and extend device lifespan. Widely applied in power generation, electrical maintenance, automotive electronics, industrial machinery, and construction sectors for routine checks and pre-commissioning tests.



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.



UT502A

CAT III 600V



Product Highlights:

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

All the models in this page share the same mold.

Test Voltage	Insulation resistance (Ω)	UT501A	UT501B	UT502A
100V	0MΩ~100MΩ	±(3%+5)		
250V	0MΩ~99.9MΩ 100MΩ~5GΩ	±(3%+5) ±(5%+5)	±(3%+5) ±(5%+5)	
500V	0MΩ~99.9MΩ 100MΩ~5GΩ	±(3%+5) ±(5%+5)	±(3%+5) ±(5%+5)	±(3%+5) ±(5%+5)
1000V	0MΩ~99.9MΩ 100MΩ~5GΩ	±(3%+5) ±(5%+5)	±(3%+5) ±(5%+5)	±(3%+5) ±(5%+5)
2500V	0MΩ~99.9MΩ 100MΩ~9.9GΩ 10GΩ~20GΩ			±(3%+5) ±(5%+5) ±(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	±(2%+3)	±(2%+3)	±(2%+3)
Display count		2000	2000	2000
DAR			√	√
PI			√	√
Meets IEC 61557	61557-1:2007; 61557-2:2007; 61557-4:2007 (UT502A only)			
Overtoltage 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.

Product Highlights:

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



IP54 CAT III 600V



Lightning-Fast Insulation Resistance Measurement



Automatic Voltage Measurement



Auto Discharge for Safety



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

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.

Product Highlights:

- ◆ Analog bar graph
- ◆ PI & DAR measurement
- ◆ Comparison & Auto discharge
- ◆ High voltage alarm
- ◆ Portable & compact design

All the models in this page share the same mold.

Specifications	Insulation resistance (Ω)	UT505A	UT505B
50V	0.01MΩ~50MΩ 50MΩ~1GΩ 1GΩ~10GΩ	±(3%+5)	±(3%+3)
100V	0.01MΩ~100MΩ 100MΩ~1GΩ 1GΩ~20GΩ	±(3%+5)	±(3%+3)
250V	0.01MΩ~200MΩ 200MΩ~1GΩ 1GΩ~50GΩ	±(1.5%+5)	±(3%+3)
500V	0.01MΩ~500MΩ 500MΩ~1GΩ 1GΩ~100GΩ	±(1.5%+5)	±(3%+3)
1000V	0.1MΩ~2000MΩ 2GΩ~9.9GΩ 10GΩ~20GΩ 20GΩ~200GΩ	±(1.5%+5) ±(10%+3) ±(20%+10) ±(3%+3)	±(3%+3) ±(3%+3) ±(3%+3) ±(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)	10~2000μA		±(10%+3)
Low resistance (Ω)	0.01Ω~20kΩ (about 5V/>200mA) 0.01Ω~100Ω (about 5V/>200mA/20mA optional)	±(1.5%+3)	±(1.5%+3)
General resistance (Ω)	0.01kΩ~10MΩ		±(3%+3)
DC voltage (V)	0V~600V	±(2%+3)	±(2%+3)
AC voltage (V)	0V~600V	±(2%+3)	±(1.5%+5)
Frequency (Hz)	45~1kHz		±(0.1%+3)
Capacitance (F)	100pF~500μF		±(5%+5)
Display count	6000		
Overvoltage category	CAT IV 600V		

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



UT505A

CAT IV 1000V True RMS



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.

Product Highlights:

- ◆ High output voltage
- ◆ PI & DAR measurement
- ◆ High voltage indication
- ◆ Analog bar graph: 30
- ◆ Comparison measurement

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 0.5MΩ~5GΩ 0.5MΩ~20GΩ	±(5%+5) ±(5%+5)	±(5%+5)	±(5%+5)
1000V	2MΩ~10GΩ 1MΩ~40GΩ	±(5%+5)	±(5%+5)	±(10%+5)
1500V	5MΩ~20GΩ		±(5%+5)	±(10%+5)
2500V	2.5MΩ~100GΩ 10MΩ~100GΩ		±(10%+5)	±(10%+5)
5000V	5MΩ~1000GΩ			±(20%+5)
DC voltage (V)	1000V 600V	±(2%+3)	±(2%+5)	±(2%+3)
AC voltage (V)	750V 600V	±(2%+3)	±(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			

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



UT513A

IEC 61557

CAT II 1000V

CAT III 600V



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.



UT512E

CAT IV 600V



Product Highlights:

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

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
Output voltage (Rating)	stepping voltage range		Accuracy: Display: ±(10%+10V) Output: ±(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		
Capacitance test	NA	0.01uF~2.0uF	±(15%+3)
Low resistor test	NA	0.1Ω~600Ω	±(2%+10)
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	UT512D
	14.8V,5200mAh lithium battery	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.



UT513B

Product Highlights:

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

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
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	
Capacitance test	NA	0.01uF~15.0uF
DC voltage	30~1000VDC: ±(3%+5)	
AC voltage	30~750VAC(50Hz/60Hz): ±(3%+5)	
Test current	0.01nA~3.5mA	
Short-circuit current	about 3.5mA	
Data transmission	USB interface	
Bluetooth	v	

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;



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UT515B

10KV Insulation Resistance Tester

This is a digital high-voltage insulation resistance tester with 6 ranges: 500V, 1000V, 2500V, 5000V, 10000V. It allows fine-tuning voltage with a 10% step. Test data can be saved in the instrument's memory and transferred to a PC via USB cable. It is widely used to measure insulation resistance in transformers, cables, and electrical equipment, as well as in high-voltage power, telecommunications, meteorology, and oil fields.

Product Highlights:

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



CAT III 600V



Features	
Display count	9999
Short-circuit current	500V/1000V: $\geq 3.7\text{mA}$; 2500V/5000V/10000V: $\geq 5\text{mA}$
IR stepping voltage	$\sqrt{10\%}$ of the range
Leakage current	$0.01\text{nA} \sim 5.00\text{mA}$, $\pm(10\%+5)$
DAR	$0.00 \sim 999$: $\pm 2\text{dgt}$
PI	$0.00 \sim 999$: $\pm 2\text{dgt}$
Compare function	$\sqrt{}$
Timing measurement	$\sqrt{}$
Auto discharge	$\sqrt{}$ (with discharge process)
Output protection	$\sqrt{}$ (the energized target voltage $>30\text{V}$; indicating the "energized" icon)
Data storage	999 set
Data transmission	$\sqrt{}$ (all data; via USB cable)
Powr on/off	$\sqrt{}$ (Manual/Auto)
OL & low battery indication	$\sqrt{}$
Testing indication	Long press to turn on; short press again to turn off
Backlight	Auto backlight
Rechargeable battery	14.8V/5200mAh lithium battery pack
Over voltage category	CAT IV 600V
General characteristics	
Product color	Grey
Product weight	Around 7.4kg
Product dimension	Tool box: 432 x 427 x 202mm
Standard accessories	power adaptor 1pcs; Test lead 3pcs (red/black/green); USB cable 1pcs; Manual 1pcs
SPQ	1pcs/carton
Dimension (SP)	505 x 275 x 505mm
Gross weight (SP)	Around 9.8kg

Specifications				
Function	Range	Resolution	Accuracy	Input protection
Insulation resistance	500V (0.50M Ω ~500G Ω)	0.01M Ω	0.50M Ω ~4.99G: 5%+5 5.00G-49.9G: 10%+10 50.0G- 500G: FYI	Stepping voltage: 400V~600V; 10% of the range
		0.1M Ω		
		1M Ω		
		0.01G Ω		
		0.1G Ω		
		1G Ω		
	1000V (1.00M Ω ~1000G Ω)	0.01M Ω	1.00M Ω ~9.99G: 5%+5 10.0G-99.9G: 10%+10 100G- 1000G: FYI	Stepping voltage: 500V~1200V; 10% of the range
		0.1M Ω		
		1M Ω		
		0.01G Ω		
		0.1G Ω		
		1G Ω		
2500V (2.50M Ω ~2.5T Ω)	0.01M Ω	2.50M Ω ~24.9G: 5%+5 25.0G-249G: 15%+10 250G- 2.5T: FYI	Stepping voltage: 400V~600V; 10% of the range	
	0.1M Ω			
	1M Ω			
	0.01G Ω			
	0.1G Ω			
	1G Ω			
5000V (5.00M Ω ~5.0T Ω)	0.01M Ω	5.00M Ω ~49.9G: 5%+5 50.0G-499G: 15%+20 500G- 5.0T: FYI	Stepping voltage: 2500V~6000V; 10% of the range	
	0.1M Ω			
	1M Ω			
	0.01G Ω			
	0.1G Ω			
	1G Ω			
10000V (10.0M Ω ~10T Ω)	0.01M Ω	10.0M Ω ~99.9G: 10%+10 100G-999G: 10%+10 1000G- 10T: FYI	Stepping voltage: 5000V~10000V; 10% of the range	
	0.1M Ω			
	1M Ω			
	0.01G Ω			
	0.1G Ω			
	1G Ω			
Output voltage	500V	1V	0%---+20%	30v
	1000V	1V		
	2500V	1V		
	5000V	1V		
	10000V	1V		
Rated current	0.15~1.2mA		0%---+20%	
Voltage measurement	DC: $\pm 30\text{V} \sim \pm 1000\text{V}$	1V	$\pm(3\%+5)$	1100V DC
	AC: 30V~750V (50~60Hz)	1V	$\pm(3\%+5)$	800V AC

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.

Product Highlights:

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



UT516B

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)
		100GΩ~1000GΩ	for reference only
	2500V	2.50MΩ~24.9GΩ	±(5%+5)
		25.0G~249GΩ	±(15%+10)
	5000V	250GΩ~2.5TΩ	for reference only
		5.00MΩ~49.9GΩ	±(5%+5)
		50G~499GΩ	±(15%+20)
	10000V	500GΩ~5.0TΩ	for reference only
10.0MΩ~99.9GΩ		±(10%+10)	
100G~999GΩ		±(20%+20)	
12000V	1000GΩ~10TΩ	for reference only	
	12.0MΩ~99.9GΩ	±(10%+10)	
	100G~999GΩ	±(20%+20)	
Output voltage	500V, 1000V, 2500V, 5000V, 10000V, 12000V	500V, 1000V, 2500V, 5000V	0~+10%
		10000V, 12000V	-5~+10%
Load current	500V, 1000V, 2500V, 5000V, 10000V, 12000V	1mA	0%~+20%
		0.15~1.2mA	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		

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

Earth Clamp Meters

Ground resistance testing gauges the resistance of a grounding system to ensure safe dissipation of fault currents. Our products provide precise, stable measurements, enabling users to detect poor grounding issues timely, reduce electric shock risks, comply with safety standards, and protect equipment from surge damage. Ideal for power grids, buildings (residential/commercial), industrial plants, telecom towers, and renewable energy facilities for regular inspections and system validation.



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.

Product Highlights:

- ◆ 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
Soil resistivity (ρ) Depends on the measurement accuracy of R (ρ=2πaR; a: 1m~100m; π=3.14)	2kΩ~20kΩ	±3%rdg±5dgt; 10Ω
	0.00Ωm~99.99Ωm	0.01Ωm
	100.0Ωm~999.9Ωm	0.1Ωm
Ground disturbance voltage (V) 50Hz/60Hz	1000Ωm~9999Ωm	1Ωm
	10.00kΩm~50.00kΩm	10Ωm
	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)	
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.

UT272A/UT275A

Earth Clamp Meters



The UT27X series clamp-on ground resistance tester, also called loop resistance tester, is used to measure ground resistance. With a two-color mold, it boasts an elegant, premium look, easy operation and portability, along with accuracy, reliability, stable performance and strong anti-interference capability. It is an essential instrument for electrical and mechanical installation and maintenance in telecommunications, power, equipment rooms and other fields.

Product Highlights:

- ◆ Earth resistance test
- ◆ AC Current test (UT275A only)
- ◆ Data storage
- ◆ Bluetooth App (UT275A only)
- ◆ Auto power off

Specifications	UT272A			UT275A		
	Range	Resolution	Accuracy	Range	Resolution	Accuracy
Earth resistance (Auto range)	0.01Ω~0.19Ω	0.01Ω	±(1.5%+0.05Ω)	0.01Ω~0.199Ω	0.001Ω	±(1%+0.02Ω)
	0.20Ω~1.95Ω	0.05Ω	±(1.5%+0.1Ω)	0.20Ω~1.99Ω	0.01Ω	±(1%+0.05Ω)
	2.0Ω~49.9Ω	0.1Ω	±(1.5%+1Ω)	2.0Ω~49.9Ω	0.1Ω	±(1%+0.5Ω)
	50.0Ω~99.5Ω	0.5Ω	±(2%+2Ω)	50.0Ω~99.5Ω	0.5Ω	±(1.5%+1Ω)
	100Ω~199Ω	1Ω	±(2.5%+5Ω)	100Ω~199Ω	1Ω	±(2%+2Ω)
	200Ω~400Ω	5Ω	±(5%+10Ω)	200Ω~395Ω	5Ω	±(5%+5Ω)
AC Current (Auto range/50Hz/60Hz)				400~590Ω	10Ω	±(10%+10Ω)
				600Ω~880Ω	20Ω	±(20%+20Ω)
				900Ω~1.20KΩ	30Ω	±(25%+30Ω)
				1.00mA~9.99mA	0.01mA	±(2.5%+1mA)
				10.0mA~99.9mA	0.1mA	±(2.5%+5.0mA)
				100mA~999mA	1mA	±(2.5%+10mA)
			1.00A~9.99A	0.01A	±(2.5%+0.2A)	
			10.0A~30.0A	0.1A	±(2.5%+0.5A)	

The above indicators have a temperature and humidity range of 23°C ± 5°C and below 80% rh (no condensation).

Features	UT272A	UT275A
Functional	1, Earth resistance test; 2, Loop resistance test	1, Earth resistance test; 2, Loop resistance test; 3, AC current test
Max measurable conductor dia.	Max Φ44mm	Max Φ44mm
Clamp opening size	Max 46mm	Max 46mm
Display	4 digit LCD	4 digit LCD
Sampling rate	2 time/s	2 time/s
Data storage	500 set	500 set
Over range indication	√	√
Data recall	√	√
APO	Around 10 minutes without operation	Around 10 minutes without operation
Insulation resistance	50MΩ/1000V	50MΩ/1000V
Power consumption	Around 50mA (max: 100mA)	Around 50mA (max: 100mA)
Working temp	-10°C~50°C relative humidity below 85%, no condensation.	
Storage temp	-20°C~60°C relative humidity below 85%, no condensation.	
IP rating	IP40	IP40
Safety regulation grade	IEC 61010-1: 2001 (CATIV 300V; Pollution: 2) IEC 61010-2-032: 2002 IEC 61326: 2000 (EMC standard)	IEC 61010-1: 2001 (CATIV 300V; Pollution: 2) IEC 61010-2-032: 2002 IEC 61326: 2000 (EMC standard)

Characteristics

Product size	285 x 85 x 58mm
Accessories	1, R6P batteries: 4pcs; 2, Manual: 1pcs; 3, Calibration loop: 1pcs (1Ω & 10Ω); 4, Tool box: 1pcs;



UT272A



UT275A



UT276A+

Earth Clamp Meter

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.



CAT III 300V



Product Highlights:

- ◆ 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)	0.01~0.099Ω	±(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)	
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
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+

Earth Clamp Meter

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.



CAT III 300V



Product Highlights:

- ◆ Large Jaw size: up to 32mm
- ◆ Earth resistance measurement
- ◆ Current measurement
- ◆ APO & Low battery indication
- ◆ 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)	800~1200Ω	±(25%+30)
	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
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

UT278C/D

Ground Pile Earth Clamp Meters

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.

Product Highlights:

- ◆ Clamp-style grounding measurement
- ◆ 3/4-wire grounding measurement
- ◆ Grounding voltage measurement
- ◆ 2.4 INCH color LCD
- ◆ Data storage: 500 sets



UT278C



UT278D

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	



UT520 SERIES

Digital Earth 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.

Product Highlights:

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



UT522

CAT III 600V

All the models in this page share the same mold.

Specifications	Range	UT521	UT522
Earth resistance (Ω)	0~20Ω	±(2%+10)	
	0~200Ω	±(2%+3)	
	0~2000Ω	±(2%+3)	
	0~40Ω		±(2%+20)
	0~400Ω		±(2%+3)
AC earth voltage (V)	0~200V	±(1%+4)	
	0~400V		±(1%+6)
	Frequency: 50Hz/60Hz	V	V
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



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.



UT572

CAT III 600V



Product Highlights:

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

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

Leakage Current Clamp Meters

Leakage current clamp meters detect unwanted current leakage safely. They offer non-intrusive, accurate readings, helping users avoid shocks, ensure device safety, and meet standards. Used in electrical maintenance and appliance testing.



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.

Product Highlights:

- ◆ 4 digits LCD display
- ◆ Earth resistance measurement
- ◆ Current measurement
- ◆ Strong anti-interference
- ◆ APO & Low battery indication

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 0V~600V (50Hz/60Hz)	√	√
	Resolution	1uA	1mA
Leakage current test		√	√
Clamp size		25mm x 30mm	35mm x 40mm
Data storage		99	99
Overvoltage category		CAT III 600V	

Features			
Display	4 digit LCD	√	√
Auto range		√	√
Clamp size		25 x 30mm	25 x 30mm
RS-232 data transmit		√	√
Data storage		99 sets	99 sets
PEAK value		√	√
Data hold		√	√
Auto power off	Around 5 minutes	√	√
Low battery indication	≤7.2V	√	√
Over-range indication	OL	√	√
Testing method	Clamp CT	√	√

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



UT251A

CAT III 600V



UT251C+

AC Leakage Current Meter

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.

Product Highlights:

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

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%
	16~20	0.1%

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	√
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



UT251C+



CAT III 600V

True RMS



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Download on the App Store

Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



Micro Ohm Meters

Micro Ohm/Loop resistance testing measures low-resistance in electrical current loops. Our instruments offer high-precision readings, helping users detect poor contacts, avoid overheating, ensure circuit safety, and maintain stable power supply. Used in switchgear, circuit breaker, and power system maintenance.



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.



Product Highlights:

- ◆ Hand held design for on-site test
- ◆ Wide test range: 0.1μΩ~1000.0mΩ
- ◆ Stepping output current of each 10A
- ◆ Data transmission: USB
- ◆ 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		
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.

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.

Product Highlights:

- ◆ 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	

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



UT620A



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.

Product Highlights:

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

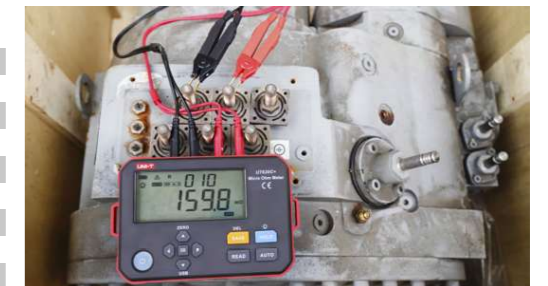
Rated voltage		
Resistance range	100.0kΩ~300.0kΩ/3uA	100Ω
	10.00kΩ~99.99kΩ/1uA	10Ω
	1.000kΩ~9.999kΩ/10uA	1Ω
	100.0Ω~999.9Ω/100uA	0.1Ω
	10.00Ω~99.99Ω/1mA	0.01Ω
	1.000Ω~9.999Ω/10mA	0.001Ω
	100.0mΩ~999.9mΩ/100mA	0.1mΩ
	0.001mΩ~100.00mΩ/1A	0.01mΩ/0.001mΩ

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



UT620T

DC Resistance Tester

The UT620T DC Resistance Tester leverages microprocessor technology and applies the four-wire method for testing, ensuring safety, accuracy, and reliability. It is commonly used to measure the resistance of electrical components such as transformer windings, grounding conductors, cable wires, switch connectors, relay contacts, coils, motors, and so on. This tester is widely used in industries like telecommunications, electric power, meteorology, and data centers. It provides stable test data with high precision, fast speed, and excellent repeatability, making it the best choice for field measurements of transformer DC Resistance.

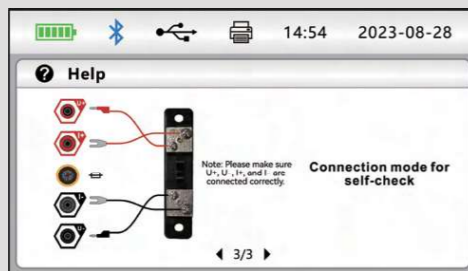
Product Highlights:

- ◆ DC resistance test: 0.1μΩ~1.0000MΩ
- ◆ Large test current (10A & 8 stepping levels)
- ◆ PC software
- ◆ 7-inch LCD color screen
- ◆ Dual power supply
- ◆ Audible discharge alarm



Product Self-Test Mode

The instrument can perform self-tests using an accessory standard resistor to verify measurement accuracy and ensure data reliability.



- PC software
- 7-inch LCD color screen
- Dual power supply
- Audible discharge alarm

Four-wire testing method

Separating current electrodes from voltage electrodes eliminates impedance from internal wiring and contact resistance, ensuring more accurate measurements.



Power supply



Data communication



Item	Range		Minimum resolution	Accuracy
	AC power supply	Built-in battery		
Constant-current 10A	100.0μΩ - 1.5000Ω	100.0μΩ - 200.00mΩ	0.1μΩ	Constant-current: ±0.1% rdg ± 0.1% fs
Constant-current 5A	1.5000mΩ - 4.0000Ω	1.5000mΩ - 800.00mΩ	0.0001mΩ	
Constant-current 1A	10.000mΩ - 20.000Ω	10.000mΩ - 12.000Ω	0.001mΩ	
Constant-current 400mA	50.000mΩ - 50.000Ω	50.000mΩ - 30.000Ω	0.001mΩ	
Constant-current 200mA	100.00mΩ - 100.00Ω	100.00mΩ - 60.000Ω	0.01mΩ	
Constant-current 40mA	500.00mΩ - 500.00Ω	500.00mΩ - 300.00Ω	0.01mΩ	Constant-voltage: ±2% rdg ± 0.5% fs
AUTO (current)	100.0μΩ - 1.0000MΩ	100.0μΩ - 1.0000MΩ	0.1μΩ	
Constant-voltage 12V/<5mA	1.0000Ω - 1.0000MΩ	1.0000Ω - 1.0000MΩ	0.0001Ω	
AUTO (voltage)	100.0μΩ - 1.0000MΩ	100.0μΩ - 1.0000MΩ	0.1μΩ	
Length display range	0.0001M - 999.99KM		0.0001M	
Resistance value (1m wire)	0.100μΩ - 500.00Ω		0.100μΩ	±0.5%
DC Resistance test position	Support fixed gear and step adjustment			
Environment temperature test	Yes, (accuracy +/-2°C)			
Data storage	1, 9999 sets; 2, Automatically, cyclically, and manually save			
Discharge alert	√			
Printer	Built-in thermal printer			
Test method	Four-wire method			
Display screen	7-inch LCD color screen			
Power supply	1, Lithium battery 14.8V 5000mAh; 2, AC 110-240V/50Hz			
Rated current	40mA-10A			
High voltage warning	When a reverse voltage is detected, a hazard warning symbol flashes to warn			
Automatic discharge	√			
Backlight function	Adjustable backlight brightness (1-5 brightness levels in total)			
Communication function	Data can be transferred by USB flash disk, etc.			
Battery level display	√			
Low battery and position selection	√			
Auto power off	Around 10 minutes			

Characteristics

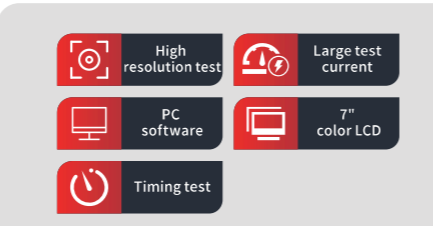
Meter dimension	Approx. 386mm (L) x 318mm (W) x 159mm (H)
Meter weight	7.1kg (Without accessories)
Accessories	1, Tester: 1pc 2, User manual: 1pc 3, Specialized Test leads (Red and black test leads: 1 pair; Black grounding wire: 1pc) : 3pcs 4, Standard resistor: 1pc 5, Dedicated lithium battery charger: 1pc 6, Power cord: National-standard three-pin plug: 1pc; National-standard two-pin flat plug: 1pc 7, Temperature and environment measurement cable (with NTC): 1pc 8, USB cable: 1pc 9, Carrying bag: 1pc 10, Fuse: 2pcs for 30A/250V; 2pcs for 5A/250V 11, Thermal papers: 2 rolls
SPQ	1pcs
Standard package dimension	460 x 385 x 385mm
Standard carton weight	11.5kg

UT625A/B

100A/200A Low Resistance Ohm Meter

The UT625A/UT625B is a low resistance tester for measuring switchgear contact and loop resistance using 100A/200A DC current.

It's used for testing high-voltage switches, transformers, busbars, and new energy equipment in power, rail, and energy sectors.



Built-in printer



Product Highlights:

- ◆ High resolution test (0.1μΩ)
- ◆ Large test current (above 100A & stepping current)
- ◆ PC software (data recording & analysis)
- ◆ 7-inch LCD color screen
- ◆ Timing test (1s adjustable)
- ◆ Audible discharge alarm

Product Self-Test Mode



The instrument can perform self-tests using an accessory standard resistor to verify measurement accuracy and ensure data reliability.

Four-wire (kelvin) testing method

The four-wire (Kelvin) method separates the current and voltage electrodes, eliminating the internal impedance of the instrument and the contact resistance of test leads, thereby significantly improving measurement accuracy.

This technique is particularly effective for low-resistance measurements, minimizing errors and enhancing precision.



Data communication

After connecting to the host computer software via USB:



Current (customizable)	UT625A		UT625B	
	Range/Resolution	Accuracy	Range/Resolution	Accuracy
200A			0.1uΩ~1999.9uΩ: 0.1uΩ	±(0.4%rdg+0.04%FS)
100A	0.1uΩ~1999.9uΩ: 0.1uΩ			
100A	2.000mΩ~9.999mΩ: 0.001mΩ	±(0.4%rdg+0.04%FS)	2.000mΩ~9.999mΩ: 0.001mΩ	
50A	10.00mΩ~99.99mΩ: 0.01mΩ		10.00mΩ~99.99mΩ: 0.01mΩ	±(0.4%rdg+0.04%FS)
5A	100.0mΩ~499.9mΩ: 0.1mΩ	±(0.4%rdg+0.6%FS)	100.0mΩ~499.9mΩ: 0.1mΩ	±(0.4%rdg+0.6%FS)
	500mΩ~1000mΩ: 1mΩ		500mΩ~2000mΩ: 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.			
Resistance measurement	0.1uΩ~1000mΩ: 0.1uΩ		0.1uΩ~2000mΩ: 0.1uΩ	
Test method	1. Four-wire Kelvin test; 2. Separation of current and voltage electrodes eliminates internal wiring impedance and contact resistance for more accurate measurements; 3. Minimizes measurement errors to achieve high-precision results when measuring low-resistance components.			
Noise suppression	At 100 mV differential pressure, the noise frequency of the test lead is 50-60 Hz.			
Stepping test current	1. 5A~ 100A DC ; 2. Stepping current: 5A/10A		1. 5A~ 200A DC ; 2. Stepping current: 5A/10A	
Test time	10S, 20S, 30S, 60S, stepping time: 1s.			
Test duration	The maximum continuous testing time for a single run is 60 seconds.			
Resistance value comparison	1, Pre-set value: 0.000~9999.9mΩ; 2, Compare measured and set resistance values, automatically display "PASS" or "FAIL"			
Over range indication	1, Low Limit Alert: When the loop resistance measurement is low limit, the measurement interface will display "LO"; 2, Over-limit indication: when the loop resistance measurement exceeds the limit, the measurement interface will display "OL";			
Self-inspection	1, Yes, Self-calibration via standard accessory "shunt" to verify measurement accuracy and ensure reliable data. 2, UT625A: 750μΩ; UT625B: 375μΩ			
Open circuit voltage	UT625A (voltage: 5V DC) UT625B (voltage: 10V DC)			
Overheating protection	√			
Output power	Measurement power ≤ 250W			
Display	7 inch color LCD			
Printer	Built-in thermal printer			
Input power supply	AC198V~242V (50/60Hz)			
Data Communication	Supports PC connection (via USB cable). 1, Real-time analysis; 2, Historical data review; 3, Excel report generation.			
Data storage	200 sets; auto/manual save, Circular save			
Backlight	5 levels adjustable backlight			
Low battery indication	√			
Working environment	-20°C~+50°C ; <85% R.H., no condensation			
Storage environment	-30°C~+60°C ; <85% R.H., no condensation			

Characteristics

Standard accessories	1, 4-wire test clip (red and black) 1 pair; 2, Ground cable 1pcs; 3, Shunt 1pcs; 4, USB cable 1pcs; 5, power adapter(AC) 1pcs; 6, Thermal printer paper 1 roll; 7, Cloth bag 1pcs; 8, Quick start guide 1pcs;
Product dimension	357 x 293 x 193mm
Product net weight	UT625A: 6.4Kg; UT625B: 7.5Kg
Standard package dimension	460 x 410 x 385mm
Standard package weight	UT625A: 10.68Kg; UT625B: 12.7Kg

Cable Testers

Cable Testers identify and trace wires, cables, and their paths efficiently. Our tools offer precise detection, aiding quick troubleshooting, reducing downtime, and simplifying installations. Ideal for telecom, electrical, and building maintenance.

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.

Product Highlights:

- ◆ 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

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;

UNI-T



UT25CL-T



UT25CL-R



UT685 SERIES

TDR Cable Testers



The UT685 series TDR Cable Testers are versatile tools for locating faults and performing quick wire-map/crimp tests on CAT5/CAT6, UTP, FTP, and SSTP cables, with POE detection. Designed for server room deployment, network troubleshooting, and structured cabling, they meet the efficiency needs of telecom technicians, IT administrators, and system integrators.

Product Highlights:

- ◆ Multi-functions all in one
- ◆ Multiple cable types supported
- ◆ Wire mapping
- ◆ Crimping test
- ◆ POE testing
- ◆ Input protection



UT685A KIT

Specifications	UT685A KIT	UT685B KIT
Applicable cables	1, CAT5/CAT6 twisted pair; 2, UTP (unshielded); 3, FTP (foil-shielded); 4, SSTP (double-shielded)	1, CAT5/CAT6 twisted pair; 2, UTP (unshielded); 3, FTP (foil-shielded); 4, SSTP (double-shielded); 5, Coaxial cable: 50Ω, 75Ω, 93Ω
Wire mapping	Live wire testing	1, Polarity detection; 2, Warns of hazardous voltage (>10V)
	1-to-1 wire mapping	1, Crimping/mapping interface; 2, Receiver RJ45
Crimping test	Test type	8-core
	Response time	≤1s
Length testing	Minimum detectable length	10cm
	Open-circuit wire length	2.5~300m: 1m
	Resolution	≤20m: ±1.6m 20~100m: ±2.4m >100m: ±3.2m
	Short-Circuit position detection	Identifies fault distance
POE testing	Working voltage range	DC5~60V
	Standards supported	802.3AF, 802.3AT, 802.3BT
POE testing	Indication method	via LCD
	Full/Half-Duplex detection	Yes
	Auto/Negotiation support	Yes
Wire tracing	Switch types	10M/100M/1000M
	Port detection	Checks Ethernet port connection status
	Measurable wire length (max)	RJ11 3000m RJ45 1000m
	Working frequency	125kHz digitally modulated signal (high accuracy)
Display	Tone variations	2 types
	Tracing mode	Anti-interference
Input protection	70VDC	
Power supply	1.5V AA batteries ×3; Low battery warning;	
Auto shutdown	Normal mode: 10min; Cable location mode: 60min	
Drop test	1m	
Operating environment	0~45°C; 20~75% RH (N.C)	
Storage environment	-20~60°C; 10~90% RH (N.C)	



UT685B KIT



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.

Product Highlights:

- ◆ 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
Functional: To test short circuit, crossover, open circuit.		√	√	√
Cable types: RJ45/RJ11		√		
Cable types: RJ45/RJ11/BNC	Need to use RJ45 to BNC adaptor		√	
Cable types: 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			√
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.



UT682 Wire Tracker



UT682D Tone and Probe



Product Highlights:

- ◆ Visible LED indication
- ◆ Multiple scenarios: cable test/scanning
- ◆ Polarity indication for telephone lines
- ◆ Telephone line distance tracking: ≥3000m
- ◆ Adjustable audio volume

Specifications	UT682	UT682D
Open and short circuit test	√	
Broken wire tracking	√	
Line sequence measurement	9 LEDs	
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	≥100m	
Telephone lines tracking distance	≥3000m	≥3000m
Cables tracking distance	≥320m	
Polarity indication for telephone lines	√	√
Transmitter low battery indication	√	√
Headphone jack for receiver	√	
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



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.

Product Highlights:

- ◆ 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
Functional	1, To test the open/short circuit of the cable; 2, To locate the cable.
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

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



UT683KIT



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.



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



Product Highlights:

- ◆ Long Optical fiber detection range
- ◆ Long working time: up to 10h
- ◆ Auto power off

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	√	
Warning	√	
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

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.

Product Highlights:

- ◆ 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



UT658B

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;



Tester with electronic load (UT658LOAD)



UT658DUAL



UT658LOAD

Power Measurement and Analysis

Power analyzers measure electrical parameters like voltage, current, and power accurately. They help optimize energy usage, ensure equipment efficiency, and comply with standards used in industrial, electronics, and energy sectors.



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.

Product Highlights:

- ◆ Large Jaw size: up to 75mm
- ◆ High precision with 9999 display count
- ◆ Multi-functions all in one
- ◆ Connecting method indication (Power)

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°
Power factor	70Hz~1000Hz	±5°
	-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	√
True RMS	√
Data hold	√
Max/Min	√
Overvoltage category	CAT III 1000V/CAT IV 600V

It also features Overload indication, High voltage indication, High voltage overload warning, Low battery indication, Auto power off.

Characteristic

Power	1.5V (AAA) x 3
Product color	Red + Grey
Product weight	Around 630g
Product dimension	295 x 118 x 50mm
Standard accessories	Test lead, battery, alligator, test probe, tool box, User manual
SPQ	4 pcs
Standard package dimension	550 x 370 x 300mm

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UT219P

CAT III 1000V CAT IV 600V

True RMS Bluetooth



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Get the UNI-T Smart Measure!

- Generating testing report;
- Generating real-time charts;
- Export multiple test data: PDF/XLS/JPEG/CSV;



UT285C

Three Phase Power Quality Analyzer

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.

Product Highlights:

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



PC software CAT III 300V



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	

Clamp sensor

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)