Technical Specifications

Specifications	Range	
Current (ACA)	999.9A	40Hz~100Hz:±(2.0%+5) 100Hz~1000Hz:±(2.5%+5)
Current (DCA)	999.9A	±(2.0%+5)
Voltage (ACV)	999.9V/1500V	40Hz~1000Hz: ±(1.0%+5)
Voltage (DCV)	999.9V/2500V	±(1.0%+5)
Voltage (DC mV)	999.9mV	±(1.0%+5)
ACV (with LPF)	999.9V	±(2.0%+9)
ACA (with LPF)	999.9A	±(2.5%+9)
ACA (with LPF): flex clamp sensor	30.00A/300.0A/3000A	±(4.0%+9) (center area)
ACA: with flex clamp sensor	30.00A/300.0A/3000A	±(3.0%+5) (center area)
Power (DC)	999.9 kVA/2500 kVA	±(2.0%+20)
Frequency (A&V)	5.0 Hz to 999.9Hz	±(0.5%+5)
Resistance (Ω)	999.9Ω/9.999KΩ/99.99kΩ	±(1.0%+5)
Capacitance (F)	100.0μF/1000μF	±(1.0%+5)
Temperature	-40°C~400°C/-40°F~752°F	±(1.0%+30); ±(1.0%+60)
Features		
True RMS	√	
Display count	9999	
Display	LCD: Dual display (V+A)	
Jaw (Max conductor dia.)	35mm	
Diode	√	
Solar panel polarity indication	when <-10 DCV, Audible & Visual alarm	
Negative indication (DC)	Audible + Visual alarm	
High voltage alarm	√	
Over range indication	√	
AUTO HOLD	√	
Inrush current	√	
PEAK	√	
Bluetooth app	BT 5.0	
Data storage	√	
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	

UNI-TREND TECHNOLOGY

meters.uni-trend.com



UT219PV

Professional AC/DC Clamp Meter-SOLAR

The UT219PV is an advanced AC/DC clamp meter specially designed for high-voltage photovoltaic environments. It offers exceptional accuracy and performance, with a wide range of features. With its automatic range selection and a clear display capable of showing up to 9999 digits, this clamp meter allows for precise measurements of AC/DC voltage, current, low-pass filtered voltage/current, surge current, peak current, DC power (using an external flexible clamp head), resistance, circuit continuity, diodes, capacitance, and temperature. Its versatility extends beyond photovoltaic applications, as it can also be used in other high-voltage settings like energy storage systems, uninterruptible power supplies (UPS), and large motors.

- 35mm Ultra-thin Jaw
- Safety & reliable
- High-voltage measurement
- Audible & Visual alarm
- Bluetooth APP
- IP65 protection



Ultra-thin Clamp

35mm ultra-thin clamp, designed for narrow gaps in the combiner or inverter and other tight spaces environment.



High voltage measurement

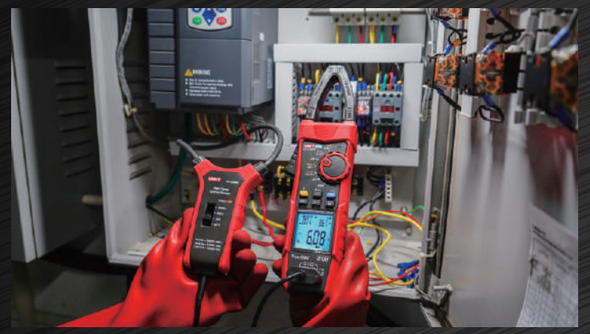


High voltage measurement (up to AC 1500V, DC 2500V) can fulfill the voltage measurement requirements of existing photovoltaic systems, as well as large motors like high-power motors found in mines and oil fields.

IP65 protection



Choosing a clamp meter with IP65 function offers you reliable measurements in dusty and wet environments, with increased durability and protection against water damage.



External clamp sensor

The UT-CS09D flex clamp sensor is supported, which means the AC current measurement range can expand to 3000A, and the flexible coils can handle measurements in narrow spaces.

Polarity indication

If the voltage is below -10V DC, the system will activate a series of indicators: The red LED will flash for a period of 10 seconds, accompanied by buzzing. Additionally, the LCD screen will display the "POLARITY" symbol, alerting the user to the reversed probes.





Bluetooth APP

By utilizing the Bluetooth app, you can conveniently record the testing results and measurement details. Moreover, the testing reports and data can be effortlessly transported and shared with your colleagues or team members.