



UNI-T®

# UT281E+

## 10000A Flex Clamp

The UT281E+ True RMS Flexible Clamp Meter is a high - precision and multi - functional electrical measuring tool. It offers a current measurement range up to 10,000A, comes with a 1.1 - meter - long flexible coil, has an overload protection circuit across the full range, and features a unique appearance design, making it suitable for a variety of application scenarios.

It is widely applied in fields such as smelting, communication, manufacturing, petroleum, power, electrical engineering, and photovoltaic stations.



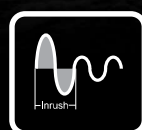
Large current  
measurement  
(AC 10000A)



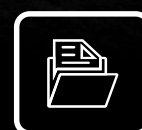
Long Flex  
Coils  
(1100mm)



High precision  
(6000 count)



Inrush current  
measurement



Data storage  
(999 sets)



Over-load  
protection

## 1100mm Flex Coil



1100mm (around 43 inch) can  
measure up to 340mm diameter cable



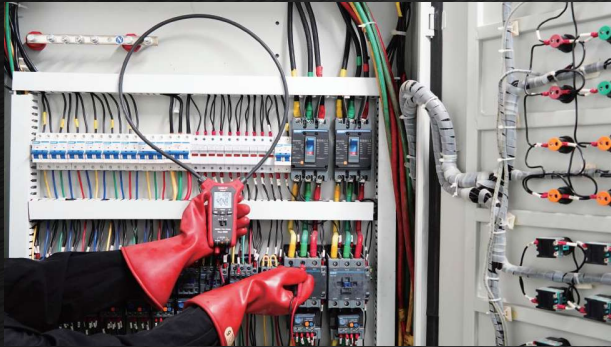
Flexible coils make it easy to perform  
measurement activities in areas with dense  
wiring or where space is at a premium;

## AC 10000A current measurement



Suitable for low-voltage high-current distribution cabinets, large power grids, railroads, scientific research and industrial and mining enterprises;

## 6000 count dual display



AC Voltage measurement

AC Current measurement

## Multi-functional all in one



Inrush current test

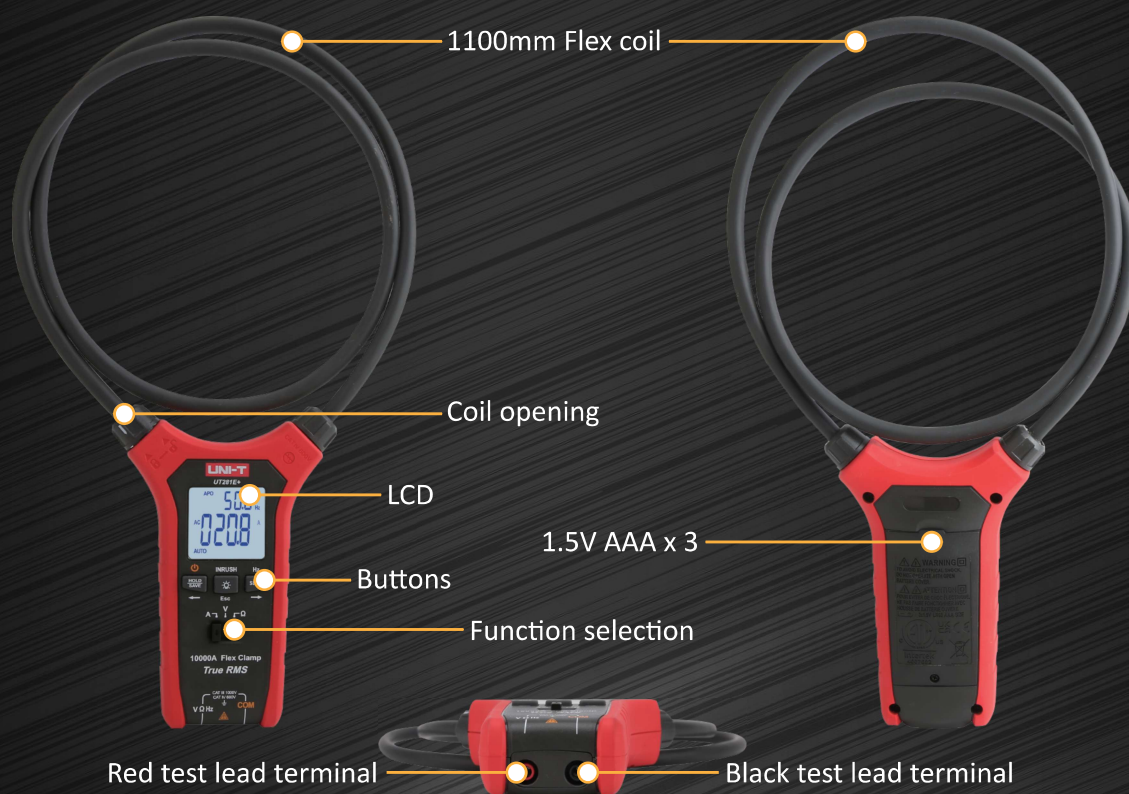






Resistance test



Continuity test

## Product Appearance and Functional Buttons



Functionals	Short Press	Long Press	Remarks
	Data Hold & Save	Power On/Off	/
	Data Hold	Inrush current function	/
	AC/DC Switch	Frequency test	/
	/	Data storage	View Stored Data by Arrow Direction

## Application scenarios



Bus bar current test



AC voltage test in the power distribution box



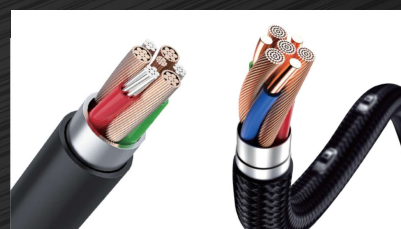
DC current test of Battery modules



Low voltage high current  
Test in power cabinet



Power distribution station



Electrical cable lab

## Technical Specifications

Specification	Range	Resolution	Accuracy
DC voltage	6.000V	0.001V	$\pm(0.8\%+2)$
	60.00V	0.01V	
	600.0V	0.1V	
	1000V	1V	
AC voltage	6.000V	0.001V	$\pm(1.0\%+3)$
	60.00V	0.01V	
	600.0V	0.1V	
	1000V	1V	
AC current	9.99A	0.01A	$\pm(2.0\%+5)$
	99.9A	0.1A	
	999A	1A	
	9.99kA	0.01kA	
AC current frequency	10.0Hz~1000Hz	0.1Hz~0.1kHz	$\pm(0.5\%+3)$
Voltage frequency	10.0Hz~30.0kHz	0.1Hz~0.1kHz	$\pm(0.5\%+3)$
INRUSH current	100.0A	0.1A	$\pm 10.0\%$
	6000A	1A	
Resistance	600.0 $\Omega$	0.1 $\Omega$	$\pm(1.0\%+5)$
	6.000k $\Omega$	0.001k $\Omega$	
	60.00k $\Omega$	0.01k $\Omega$	
	600.0k $\Omega$	0.1k $\Omega$	
	6.000M $\Omega$	0.001M $\Omega$	$\pm(2.0\%+5)$
	60.00M $\Omega$	0.01M $\Omega$	$\pm(2.5\%+5)$
Display count	6000		
Data storage	999 sets		
Frequency response	45Hz~500Hz		
Coil length	1100mm		
True RMS	✓		
Continuity test	✓		
Inrush current	✓		
Backlight	✓		
Data hold	✓		
Low voltage indication	✓		
Auto power off	✓		
High voltage alarm	✓		
High voltage overrange alarm	✓		
Operating environment	High accuracy measurement: 18°C~28°C(64°F~82°F) Humidity $\leq 75\%$ ; Operating Temperature: 0°C~40°C Storage Temperature: -10°C~50°C		
Safety rating	CAT III 1000V/CAT IV 600V		



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**TECHNOLOGY**



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