



UNI-T®

# UT-CS07

## 1000A AC/DC Clamp Sensor

UT-CS07 is an AC/DC current sensor featuring high reliability and safety. It can be used as an expansion device for current measurement of multimeters. This instrument needs to be used in conjunction with a multimeter and is capable of measuring AC/DC currents up to 1000A. Its reliable measurement accuracy and unique appearance design make it a practical auxiliary tool for current acquisition in electrical measuring instruments.

CAT III  
1500V

High safety  
standard  
(CAT III 1500V)



Multiple  
output ratio  
(10mV/1A;  
1mA/1A)



Slender clamp  
(35mm  
measurable dia.)

ZERO

Zero  
function



1000A input  
protection

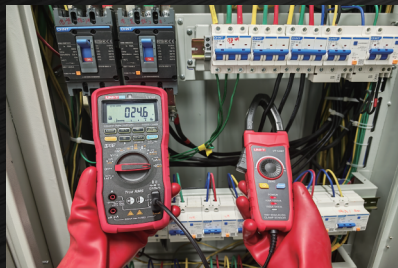
DMMs

Multiple  
Compatible  
DMMs



## 35mm slender clamp

It suits for dense wiring



Power distribution box  
Current measurement

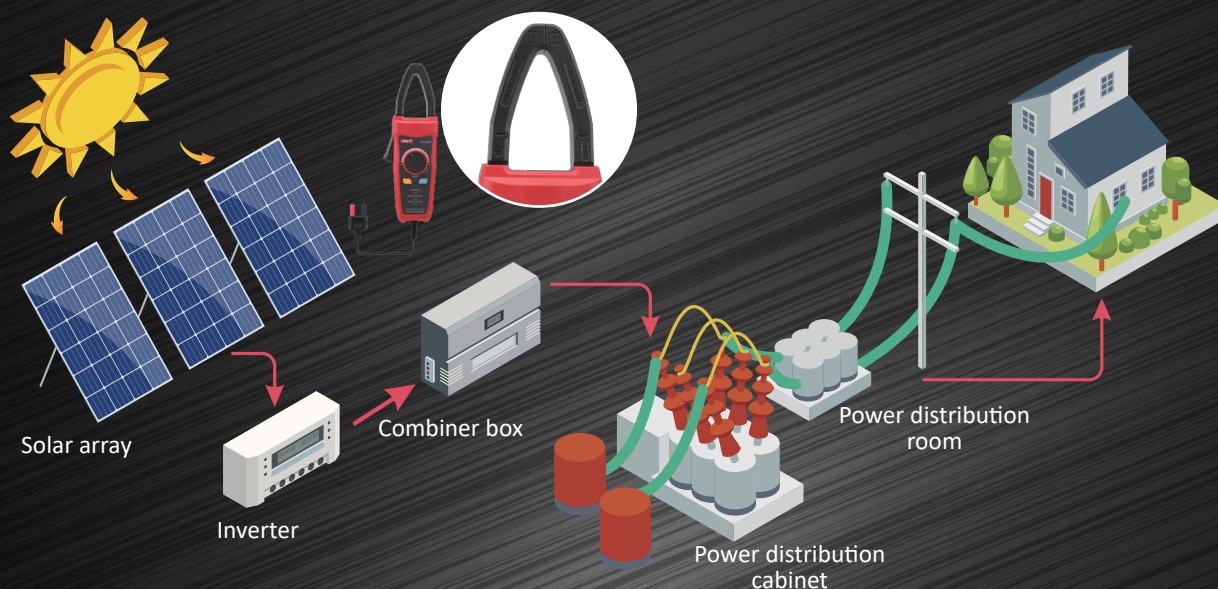


Bus bar current test



Electrical motor current test

## High safety: CAT III 1500V



CAT III 1500V

CAT IV LEVEL

CAT IV LEVEL

CAT III & II

solar panel's safety level is CAT III;  
The UT-CS07 (with CAT III 1500V) is a correct safety tool.

## Compatible DMMs



UT117C, UT196, UT139C, UT197, UT197PV and etc.



Work with a DMM which features  
“DC/AC mV & Hz%”, easily to expand  
current measurement range



## AC/DC 1000A current test



DC Current test; AC Current test; AC Current frequency test

## Zero function



Before



After

## Multiple output ratio



Range: 100A  
Output ratio: 10mV/A



Range: 1000A  
Output ratio: 1mV/A



## Technical Specifications

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	1000A
			±(2.0%+0.5A), 200Hz~400Hz	
	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			



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