

# AC Current Probe

## ACP1000

- ▶ Operating frequency: 10Hz~100kHz
- ▶ Current range up to 1000A
- ▶ Maximum accuracy: 1%
- ▶ 10A/100A/1000A Flexible switching among three range gears
- ▶ Clamp design, no need to disconnect the circuit under test
- ▶ Standard BNC interface, compatible with any oscilloscope

Operating frequency  
**10Hz ~ 100kHz**

Current range  
**Up to 1000A**

Maximum accuracy  
**1%**

Maximum working current  
**2000A (2s)**

Maximum conductor diameter  
**52mm**



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[www.micsig.com](http://www.micsig.com)



Micsig Website

## Product Overview

The AC current probe ACP1000 is suitable for AC current measurement. Its measurement bandwidth is from 10Hz to 100kHz, the maximum measurable current is 1000A with an accuracy of 1%. It has a standard BNC interface, compatible with all brands of oscilloscopes. With three adjustable range gears of 10A/100A/1000A, a clamp design, a clamp jaw diameter of up to 52mm, no external power supply needed, it's portable, easy to use, made of high-quality and durable materials, and widely used in scenarios like motor drives, inverters, switching power supplies, and avionics.

## Characteristics

Model	Input	Rated Output	Frequency(Hz)	Rated Burden	Accuracy grade
ACP1000	0.1~10A	100mV/A	10-100k	≥ 100kOhms	3% ± 10mV
	0.1~100A	10mV/A			2% ± 5mV
	1~1000A	1mV/A			1% ± 1mV
Others					
Current range	0.1A~1000A				
Maximum working current	2000A (2s)				
Operating frequency	10Hz ~ 100kHz				
Maximum accuracy	1%				
Operating Temperature	-15°C to 75°C				
Safety class	CAT III 600V				
Maximum conductor diameter	52 mm				
Dimensions	111mm x 216mm x 45mm				
Output cable	1.5m BNC insulated coaxial output cable can connect directly to an oscilloscope, and can be used with Multimeters with optional BNC/Banana adapter				
Environmentl compliance	RoHS compliane				
Certification	CE compliane				

## Application

- \* Current, electrical energy, power factor correction devices
- \* Motor drivers, inverters, converters
- \* Industrial control devices
- \* Oscilloscopes and harmonic analyzers
- \* Aviation electronic equipment

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