

Quick Guide ACP1000 AC Current Probe

1. 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.

FEATURES

- Good appearance
- Clamp-on core design safer, easier installation without disconnecting the circuit to test
- Current or three specs voltage output signal

APPLICATIONS

- Current, over energypower factor correction device
- Industrial control device
- Oscilloscope andharmonic wavesanalyzer



2. SPECIFICATIONS

- Current range: Max. 1000A
- Maximum working current: 2000A
- Operating frequency: 10Hz–100kHz
- Maximum accuracy: 1%
- Operating Temperature: -15°C to 60°C
- Safety class: CAT III 600V
- Maximum conductor diameter: 2.05 inches (52mm)
- Dimensions: 4.37 in. x 8.50 in. x 1.77 in. (111x216x45mm)
- Output cable: 1.5m BNC insulated coaxial output cable can connect directly to an oscilloscope, and can be used with Multimeters with optionalBNC/Banana adapter.
- Environmental compliance: RoHS compliane

3. PERFORMANCES

Model	Input Current	Output signal	Frequency	Secondary burden	Accuracy class
ACP1000	0.1-10A	100mV/A	10-100kHz	≥ 100KOhms	3% ± 10mV
	0.1-100A	10mV/A			2% ± 5mV
	1-1000A	1mV/A			1% ± 1mV

Notes:Accuracies are given for 48 Hz to 65Hz;the ambient temperature of 25° C ± 3° C.

4. Warranty

- 1) Micsig warrants the main body of this probe for 1 year.During the warranty period, Micsig will be responsible for free maintenance for any failure caused by the quality of the product under normal use.
- 2) Under the following circumstances, Micsig will refuse to provide maintenance services or charge for a fee:
 - a. No packaging or anti-counterfeiting label.
 - b. Anti-counterfeit label has been altered or blurred beyond recognition.
 - c. Unauthorized disassembly, such as: changing wires, dismantling internal components, etc.
 - d. No sales voucher or the content of sales voucher does not match the product.

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