

Low Frequency AC Clamp

CP1000B

(1000A/20Hz~10kHz)



产品说明书

Product User Manual

For your safety

Please strictly follow the safety tips below. If you don't follow the instruction, the potential consequences could damage the machine or hurt the users. We will not be responsible for any problem caused by violating the rules



Warning

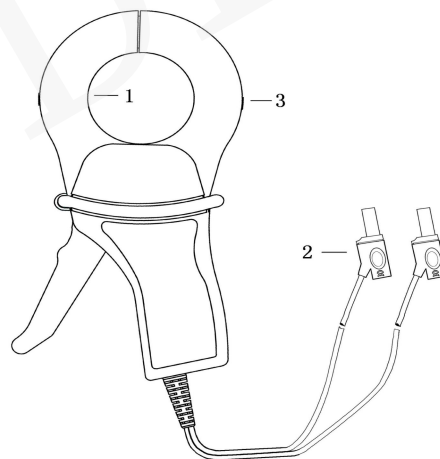
- Make sure the product is used in rated voltage and current range.
- Do not open the shell or try to connect cable during operation
- Do not use the probe in moist or combustible environment
- Make sure the device is dry and clean before using.
- If there's anything wrong with the product, please contact us immediately. Do not open the shell and try to repair the machine or worse incident could occur.

1. Summary

CP1000B current probe is used for alternating current testing. The current under test reaches effective value of 1000A, peak value of 2000A, bandwidth of 10 kHz. The current transfer ratio is 1000:1. Clamp diameter is around 54mm. With its banana plug or BNC output port, CP1000B can be connected to the oscilloscope of any brand, digital multi-meter or power analyzer. It can be widely used in the testing like motor drive, inverter, power switch and avionics.

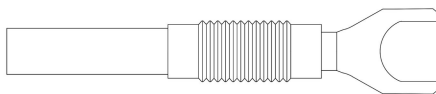
2. Product and Accessories

◆ Clamp description



1. Clamp: Used to fix the cable under test, diameter around 54mm
2. Output cable: about 2 meter. Optional port: banana plug or BNC output port.
3. Current indication direction: the current flow through the current direction is counted positive, otherwise it is negative.

◆ Accessories



Fork Shape Adapter: 6mm (fit banana plug)

3. Product Specification

Continuous Current		1000Arms
Current Transfer Ratio		1000:1
Bandwidth		20Hz~10kHz
Accuracy	1mA...100mA	$\leq 3\% + 5\mu A$
	0.1A...1A	$\leq 2\% + 3\mu A$
	1A...10A	$\leq 1\%$
	10A...100A	$\leq 0.5\%$
	100A...1000A	$\leq 0.3\%$
Relationship between position and accuracy		0.1%(Typical)
Clamp diameter		54mm
Load Impedance		1 Ω or less
Max voltage output		30Vpk
Output port		Banana plug or BNC port optional
Output cable length		2m
Safety level		600V CATIII
Operating Temperature/ Humidity		-10°C~55°C, 80% or less
Storing Temperature/ Humidity		-40°C~70°C, 80% or less
Operating Altitude		2000m
Size (Length* Width* Height)		216*115*45mm
Weight		710g

4. Operating Steps



- Connect the probe to testing equipments and set the related parameter correctly
- Connect the probe with the circuit under test and make sure the circuit is turned off before operating.
- Turn on the circuit under test and proceed with testing
- Turn off the circuit under test before taking off the probe after testing.

5. Packing List

Packing List	
Name	Number
CP1000B	1
Red& black fork shape adapter (standard banana plug)	1
Instruction manual and warranty card	1
Test report	1

CYBERTEK

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