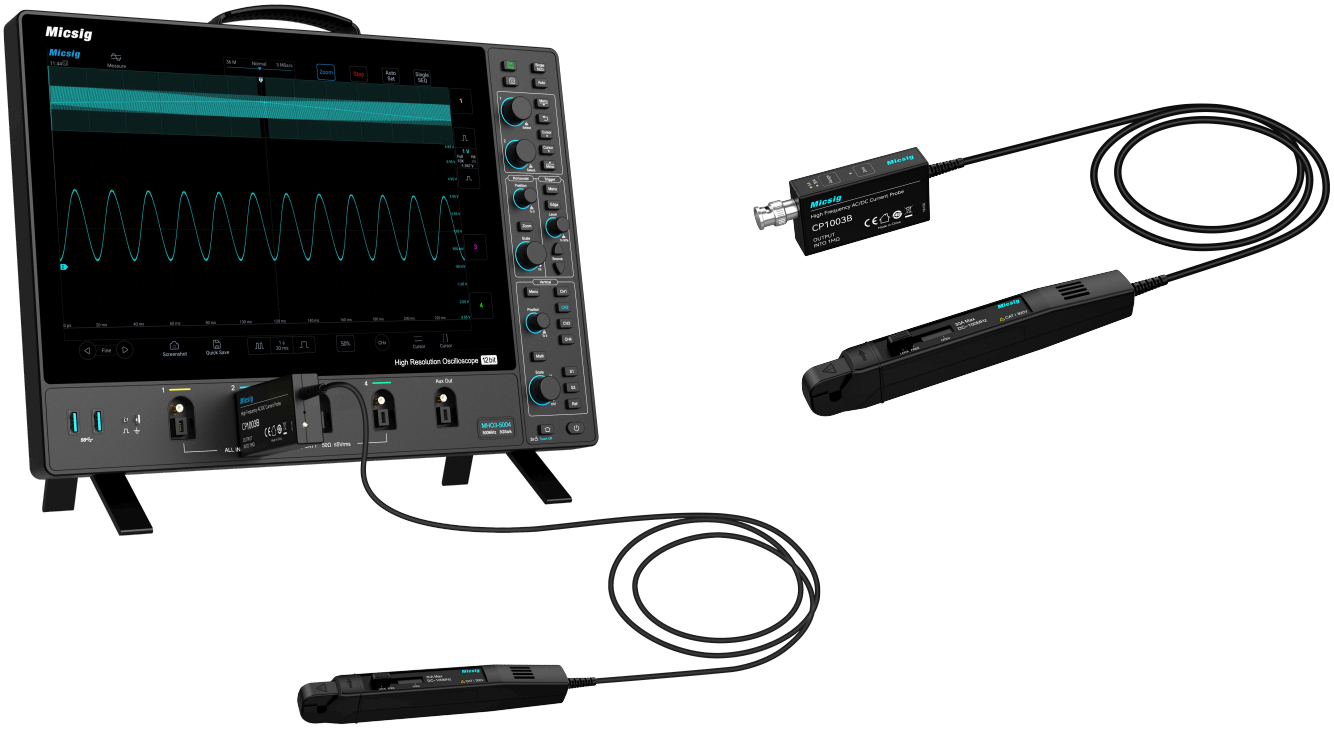
Micsig

* New Gen.

High Frequency AC/DC Current Probe

CP503B / CP1003B

- **Accurate AC/DC measuring capabilities**
- **5A / 30A range selection, low current measurements**
- **50MHz / 100MHz bandwidth**
- **Superior 1% accuracy (typical)**



* Updated in June, 2024

Key Features:

Auto Degaussing and Zero

Press "Zero", the probe will be degaussed and calibrated automatically at the same time.

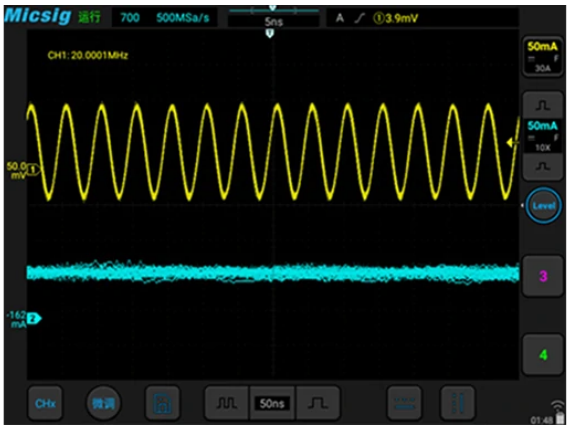
BNC Interface

Standard BNC interface to work on any oscilloscope.

HF Signal Measurements

Accurate measurement capability on high-frequency signals >20MHz. (CH1 Yellow).

Same signal completely distorted when measured by low-frequency probe. (CH2 Blue).

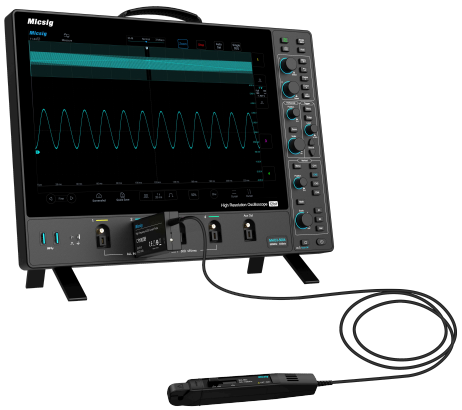


Observe Surge Current

Surge current waveform at power adapter startup

Applications

- Electric vehicle transportation design
- Switching power supply design
- Experiment of electronic engineering
- Semiconductor devices design
- Avionics design
- Inverter/Transformer design
- Electronic ballast design
- Industrial Control / Consumer Electronics design
- Engine driven design
- Power electronics and electric drive experimental design



Specifications

Model	CP503B	CP1003B
Bandwidth	50MHz	100MHz
Rise Time	≤ 7ns	≤ 3.5ns
Max. measurable current	50Apk, 100Apk-pk, 30Arms	
Range	5Arms (1X) 30Arms (10X)	
Accuracy (Max continuous current @ DC and 45-66Hz)	±1%, ±1mA (5A) ±1%, ±10mA (30A)	
Lowest measurable current	1mA (5A) 10mA (30A)	
Noise	< 4mApp (5A) < 30mApp (30A)	
Delay	＜ 6.5ns (5A); ＜ 8.5ns (30A)	
Output Sensitivity	1V/1A（5A, 1X); 1V/10A（30A, 10X)	
Over-current alarm value	≥ 5Apk (5A); ≥ 50ApK (30A)	
Max. Working Voltage	CAT I 300V	
Max. Conductor Diameter	5mm	
Overload Indicator	Flashing light	
Power Supply	DC 12V	

*Micsig reserves the right of final interpretation for the content hereinabove;
*It is subject to update without prior notice.

Micsig

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