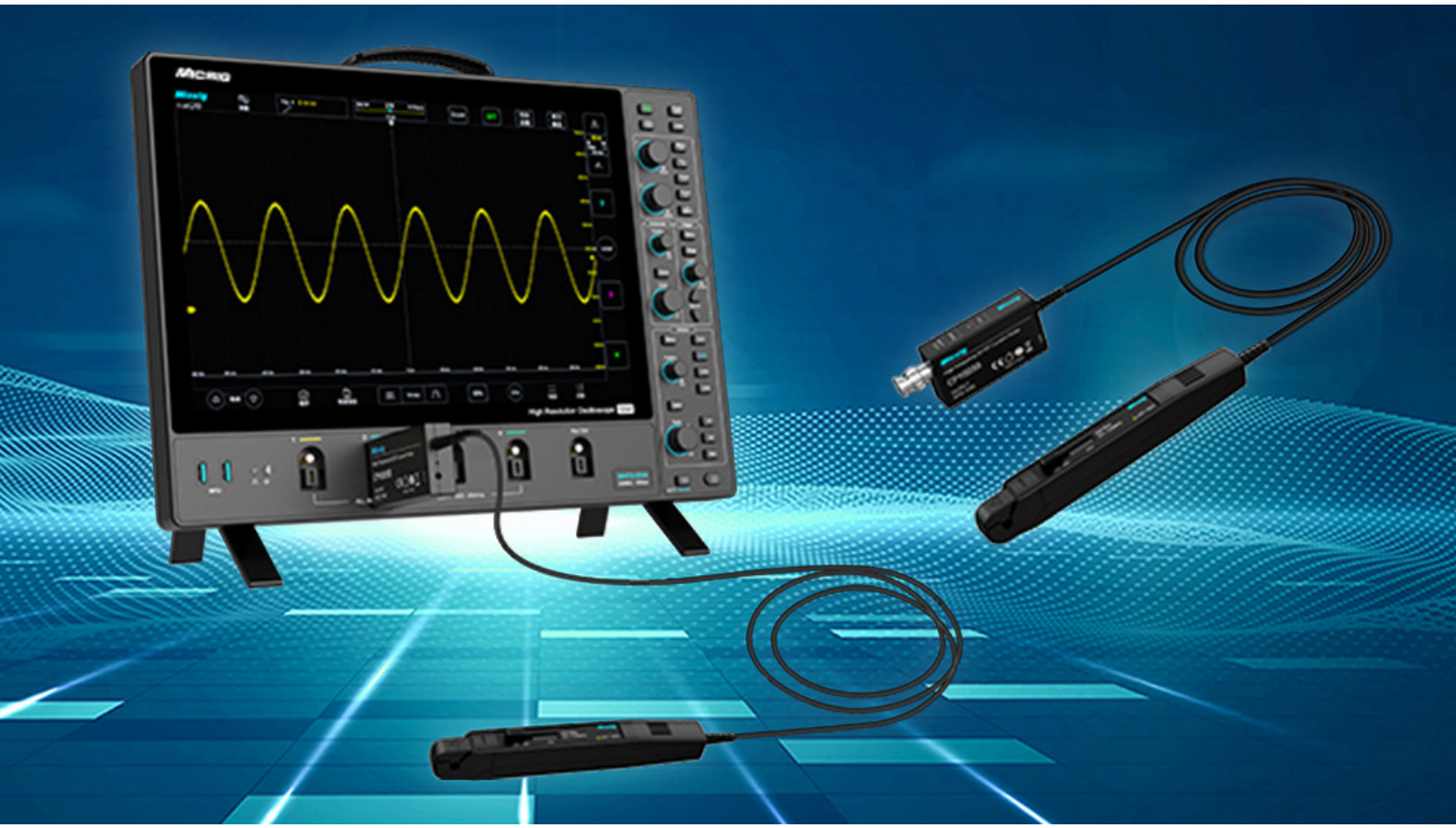
MICSIG

Tablet Oscilloscope Creator
Optical-isolated Probe Leader

High Frequency AC/DC Current Probe

CP Series

- Bandwidth: DC~50MHz / 100MHz
- Max. Current Input: 50Apk, 30Arms
- Lowest Measurable Current: 1mA
- Accuracy: ±1%
- Noise: <4mApp
- Standard BNC interface



Shenzhen Micsig Technology Co., Ltd.

www.micsig.com

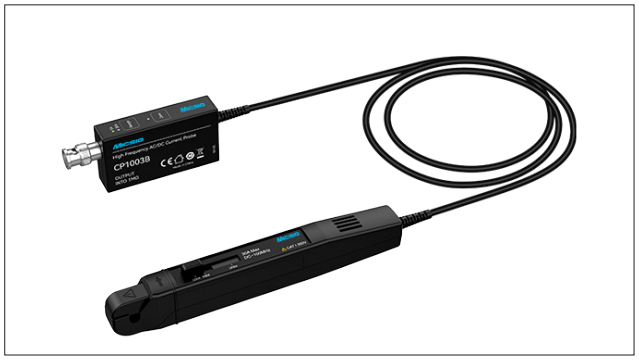
Micsig Website

PRODUCT OVERVIEW

Micsig CP series high-frequency AC/DC current probe has bandwidth up to 100 MHz, 5A / 30A dual-range design, measures 30A continuous current and 50A peak current with 1% accuracy. Resolution up to 1mA, high signal-to-noise ratio, demagnetization and Auto-Zero completed at the same time. Overload protection achieves fast and accurate signal capture, making the CP series become the best choice for small current measurement. Small and exquisite design, easy to use, comes with standard BNC interface, able to work with any oscilloscope.

BNC Interface

Standard BNC interface to work on any oscilloscope.



Compact and Exquisite Design

One-handed easy use.
Applicable to various complex tests.

Auto Degaussing and Zero

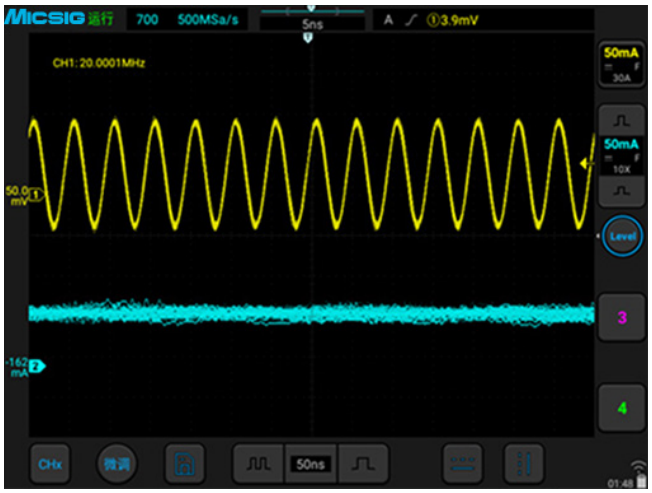
Press "Zero", the probe will be degaussed and calibrated automatically at the same time.

Overload Indicator

When the current is overloaded, corresponding range button will flash.

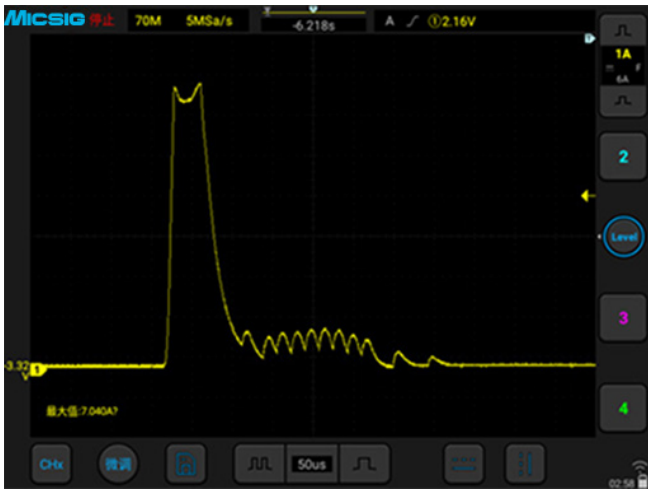
Application Performance

HF Current Signal | 30A | 0.1V/A



High frequency AC/DC current probe can easily measure signals over 20MHz (Yellow waveform on CH1)
Signal is completely distorted when measured by Low frequency current probe (Blue waveform on CH2)

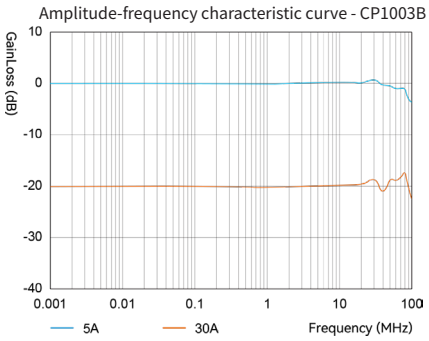
Surge Current | 5A | 1V/A

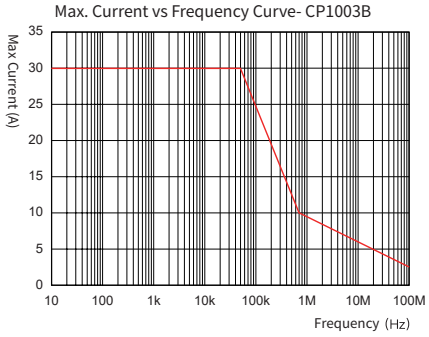


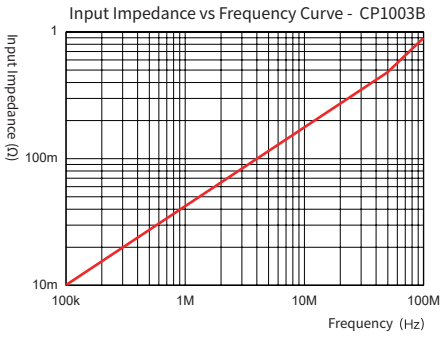
Surge current waveform at power adapter startup

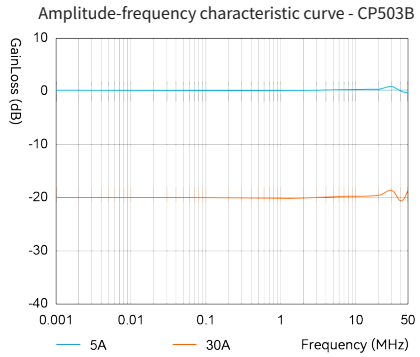
Characteristics

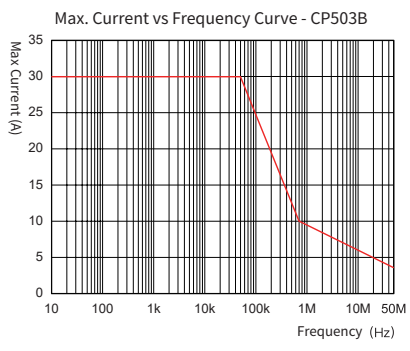
Model	CP503B	CP1003B
Bandwidth	50MHz	100MHz
Rise time	⩽ 7ns	⩽ 3.5ns
Range	5Arms（5A） 30Arms（30A）	
Max. Current Input	50Apk，100Apk-pk，30Arms	
Accuracy (Max continuous current @ DC and 45-66Hz)	±1% ±1mA（5A） ±1% ±10mA（30A）	
Lowest measurable current	1mA（5A） 10mA（30A）	
Noise	<4mApp（5A） <30mApp（30A）	
Delay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

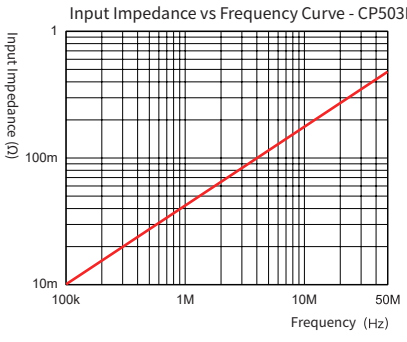












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