

# **Rigol RP1003C**

Rigol RP1003C Current Probe. Current Probe, DC-50 MHz, 50A peak.

## **Features**

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- High speed, cost effective current measurement up to 50A peak
- DC and AC Frequency range: DC to 50MHz
- Output 0.1V/A
- Works with External RIGOL PSU separately ordered RP1000P Power Supply is required

**CURRENT PROBE SELECTION TABLE (see product page for each model)**

| Model Number | Gain           | Bandwidth    | Gain Accuracy                                                                                                                                      | Max.Input Current                                                                    | RIGOL scope Compatibility | Recommended Applications                      |
|--------------|----------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|
| RP1001C      | 0.01V/A,0.1V/A | DC to 300KHz | 100mV/A:±3% ±50mA<br>(50mA to 10A peak range )<br>10mV/A:±4% ±50mA<br>(500mA to 40A peak range)<br>100mV/A:±15% Max.<br>(40A to 100A peak range)   | DC:±100A<br>AC P-P:200A<br>AC RMS:70A                                                | All series                | Current test                                  |
| RP1002C      | 0.05V/A,0.5V/A | DC to 1MHz   | 500mV/A:±3% ±20mA<br>(20mA to 14A peak range )<br>50mV/A:±4% ±200mA<br>(200mA to 100A peak range)<br>50mV/A:±15% Max.<br>(100A to 140A peak range) | DC:±100A<br>AC P-P:200A<br>AC RMS:70A                                                | All series                | Current test                                  |
| RP1003C      | 0.1V/A         | DC to 50MHz  | ±1.0%rdg ±1mV, ≤30A<br>±2.0%rdg , 30A to 50A peak<br>non-continuous                                                                                | AC P-P:50A<br>peak,non-continuous<br>AC RMS:30A                                      | All series                | Current test, must order RP1000P power supply |
| RP1004C      | 0.1V/A         | DC to 100MHz | ±1.0%rdg ±1mV, ≤30A<br>±2.0%rdg , 30A to 50A peak,<br>non-continuous                                                                               | AC P-P:50A<br>peak,non-continuous<br>AC RMS:30A                                      | All series                | Current test, must order RP1000P power supply |
| RP1005C      | 0.01V/A        | DC to 10MHz  | ±1.0%rdg ±1mV, ≤150A<br>±2.0%rdg , 150A to 300A peak                                                                                               | AC P-P:300A<br>peak,non-continuous<br>500A Peak, pulse width<br>≤30us<br>AC RMS:150A | All series                | Current test, must order RP1000P power supply |