



The GCP-100 is a Clamp-Type Probe Designed to Measure AC and DC Current waveforms. The Current Measurement Ranges from 50mA to 100A.

Clamp to Measure : Safe and Easy

To perform current waveform measurement, just clamp the jaw around the conductor-under-test and connect its lead to the BNC input of an oscilloscope. Breaking the circuit and connecting an ammeter in series is no longer necessary.

Current Measurement from DC to 100kHz for Various Instruments

Using the combination of a Hall-effect sensor and an AC current transformer, the GCP-100 provides accurate measurement from DC to 100kHz. The dual measurement range spans 50mA~10A and 1A~100A. In addition to oscilloscopes, the GCP-100 can also be connected to multimeters and data loggers.

GCP-100

FEATURES

- Bandwidth : DC ~ 100kHz
- Measurement Range : 50mA ~ 10A peak and 1A~100A peak
- Accuracy : $\leq 3\%$ (50mA ~ 10A peak) ,
 $\leq 4\%$ (1A ~ 100A peak)
- AC + DC Measurement : True RMS

APPLICATIONS

- Harmonic Current Measurement
- Inrush Current Measurement
- Current Ripple and Noise Measurement
- Power Quality Analysis

SPECIFICATIONS

| GCP-100 | | | |
|------------------------------|--|---------------|---|
| Bandwidth | DC ~ 100kHz | | |
| Max. Cable Dimensions | Ø 11.8mm | | |
| Measure Range | 50mA ~ 10Apeak 1A ~ 100Apeak | | |
| Ratio | 1A / 100mV 1A / 10mV | | |
| Accuracy | Range | 100mV/A | 10mV/A |
| | Current Range | 50mA~10A peak | 1A~100A peak |
| | % Accuracy of Output Signal | 3%±5mV | 500mA~40A peak : 4%±500µV 40~100A peak : 15% max at 100A |
| Dimension | 231 (W) x 67 (H) x 36 (D) mm win core lesd (coaxial) 2m ended by a BNC plug insulated and moulded | | |
| Weight | 330g with battery | | |
| Jaw Opening | 12.5 mm maximum | | |
| Protection | <ul style="list-style-type: none"> • Degrees of protection : IP 20 to IEC 529 • Protection from shocks : 100G, 6ms, • half-cycle, to IEC 6S-2-27 Drop height from all angles : 1m • Resistance to vibrations : 10/55/10Hz 0.15mm to IEC 68-2-6 • Bumps : 40G, 6ms, 4000bumps, to IEC6S-2-29 | | |

ORDERING INFORMATION

GCP-100 100kHz / 100A AC / DC Current Probe

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