



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

## ORDERING INFORMATION

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

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