



The GCP-020 is a clamp-type probe for measuring AC and DC current waveforms. Ranging from 100mA to 200A, the GCP-020 is designed to perform high current measurement in a compact package.

### 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 40Hz to 10kHz for Various Instruments

Using the combination of a Hall-effect sensor and an AC current transformer, the GCP-020 provides accurate measurement from 40Hz to 10kHz. The dual measurement range spans 100mA~20A and 500mA~200A. In addition to oscilloscopes, the GCP-020 can also be connected to multimeters and data loggers.

## GCP-020

### FEATURES

- Bandwidth : 40Hz ~ 10kHz
- Measurement Range :  
100mA ~ 20A and 500mA ~ 200A
- Accuracy :  $\leq 2\%$  (100mA ~ 20A)  
 $\leq 1.5\%$  (500mA ~ 200A)
- Jaw Opening : 21mm Diameter

### APPLICATIONS

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

SPECIFICATIONS	
	<b>GCP-020</b>
<b>Bandwidth</b>	40Hz ~ 10kHz
<b>Ratio</b>	100mA ~ 20A 500mA ~ 200A
<b>Accuracy</b>	≤ 2% ( 100mA ~ 20A peak ) ≤ 1.5% ( 500mA ~ 200A peak )
<b>Nominal Measuring Scope</b>	500mA ~ 200A and 100mA ~ 20A
<b>Ratio Input/Output</b>	1A ~ / 10mV ~ and 1A ~ / 1000mV
<b>Sinusoidal Current</b>	48 ~ 65Hz
<b>Connection</b>	BNC
<b>Direct Current</b>	No
<b>Temperature &amp; Humidity Range (Guaranteed Accuracy)</b>	20 ~ 26°C, relative humidity ; 20 ~ 75% (no condensation)
<b>Continuous Magnetic Field</b>	Earth Field (< 40A / m)
<b>Proximity of External Conductors</b>	No current
<b>Measuring Device Impedance</b>	> 1 MW and < 100pF
<b>Max. Clamping Capacity</b>	∅20mm cable or 20 x 5mm bar
<b>Location for Use</b>	Altitude up to 2000m, Indoors
<b>Dimension</b>	135(W) x 50(H) x 30(D) mm
<b>Open Jaw Height</b>	69mm
<b>Weight</b>	Approx. 180g
<b>Jaw Opening</b>	21mm

ORDERING INFORMATION	
<b>GCP-020</b>	10KHz/200A A.C./D.C. Current Probe

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