



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

	GCP-020
Bandwidth	40Hz ~ 10kHz
Ratio	100mA ~ 20A 500mA ~ 200A
Accuracy	≤ 2% (100mA ~ 20A peak) ≤ 1.5% (500mA ~ 200A peak)
Nominal Measuring Scope	500mA ~ 200A and 100mA ~ 20A
Ratio Input/Output	1A ~ / 10mV ~ and 1A ~ / 1000mV
Sinusoidal Current	48 ~ 65Hz
Connection	BNC
Direct Current	No
Temperature & Humidity Range (Guaranteed Accuracy)	20 ~ 26°C, relative humidity ; 20 ~ 75% (no condensation)
Continuous Magnetic Field	Earth Field (< 40A / m)
Proximity of External Conductors	No current
Measuring Device Impedance	> 1 MW and < 100pF
Max. Clamping Capacity	Ø20mm cable or 20 x 5mm bar
Location for Use	Altitude up to 2000m, Indoors
Dimension	135(W) x 50(H) x 30(D) mm
Open Jaw Height	69mm
Weight	Approx. 180g
Jaw Opening	21mm

ORDERING INFORMATION

GCP-020 10KHz/200A A.C./D.C. Current Probe

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