

CC-650 AC/DC CURRENT CLAMP



Type A (with BNC connector)



Type B (with banana connector)

Feature

AC/DC frequency range: Up to 400Hz

Effective Measurement Range: 20mA to 650A DC

It is a transducer which allows your multimeter to measure current data and enable your oscilloscope to measure the current waveforms.

Its current transducer is composed by permalloy and hall element, which linearly transform the AC or DC current to AC or DC current voltage. And if connect to an oscilloscope by BNC type connector, you're able to observe the current waveforms; If connect to a multimeter by banana type connector, you can obtain the current data.

Application

Power circuit measurement and malfunction analysis;

Motor drive of frequency converter (or other electronics) measurement;

Power electronics equipment measurement.

CHARACTERISTIC PROPERTY

Measure the conductor dimension: 30 maximal mm

Low Battery instruction: The red led light

Working temperature range: 0°C to 50°C, 70% R.H.

Stores temperature range: -20°C ~ + 70°C, 80% R.H.

Weight: 290 gm typical

Dimensions: 178 mm (H) x 70 mm (W) x 33 mm (D)

Electrical characteristic (23±5 °C, 70% maximal R.H.)**Accuracy:**

DC current:

0 to 650 A, $\pm(3\% + 2 \text{ A of numerical reading})$

AC current (50 Hz arrive at 400 Hz):

0 to 500 A, $\pm(3\% + 2 \text{ A of numerical reading})$

500 A to 600 A, $\pm(6\% + 2 \text{ A of numerical reading})$

600 A to 650 A, $\pm(8\% + 2 \text{ A of numerical reading})$

Loads impedance: 10 K Ω typical

Rate Output: 0 to 650 mV (AC and DC) corresponding 0 to 650 A

Battery lifetimes: Representative carbon zinc battery is 100 hours.