

INSTRUCTION MANUAL CLAMP ADAPTOR

Model 8006

1. Features

- Clamp adaptor designed to measure AC current up to 1,500A.
- Can accommodate up to 60mm-dia conductor or 50mm by 75mm bus-bar.

2. Specifications

Measuring range	0~1,500A AC
Accuracy	0~1,000A AC $\pm 3\% \text{rdg} \pm 1\text{A}$ 1,000A~1,500A AC $\pm 5\% \text{rdg}$
Output Voltage	0~1.5V AC against 0~1,500A AC
Load Resistance	More than 1k Ω
Allowable Measurement Time	0~600A continuous 600~1,000A 30 minutes max. 1,000~1,500A 5 minutes max.
Output Leads	2m long with 4mm-dia banana plugs
Frequency Range	45 Hz~65Hz
Dimensions	240(L) \times 85(W) \times 30(D)mm
Weight	Approx. 500g
Conductor Size	60mm max. Outside diameter or 50mm \times 75 mm (bus-bar)

3. Designations



4. Operating Instructions

4.1 Preparation for Measurement

Connect output leads to an AC voltmeter.

The output voltage of the clamp adaptor is 1.5V against 1,500A Input current.

Select an appropriate range of voltmeter in accordance with the current to be measured.

4.2 AC Current Measurement

Press the trigger to open the transformer jaw and clamp on a conductor.

Take the reading of the voltmeter and convert it into amperage.

For example, the reading and measured value will be as follows when the 0 to 2V range of a digital multi meter is used:

Reading of Digital Multimeter	Measured Value
1.200V	1,200A

Be careful about the fact that the transformer jaws with overheat when continuous measurements are made of 600 to 1,000A for more than 30 minutes or 1,000 to 1,500A for more than 5 minutes.

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