

# OPERATING INSTRUCTION

## CP-09

### Smaller sized, convenient-to-use AC Current Clamp-on Adaptor

#### Introducing

This is 200A AC Clamp-on Adaptor with voltage output via a standard banana inputs to be connected to Multimeter, Power Harmonics, Analyzer, Oscilloscope, or other voltage measurement device

#### Using the Current Clamp Safely

#### Warning

**To prevent electric shock or fire and personal injury, carefully read all safety information before attempting to operate the Current Clamp and follow these**

#### Procedures:

- Do not use the clamp on circuits rated higher than 600V in Installation Category II. Use caution when clamping around uninsulated conductors or bus bars.
- Do not use a clamp that is cracked, damaged, or has a defective cable. Such clamps should be made inoperative by taping the clamp shut to prevent operation.
- Check the magnetic mating surfaces of the clamp jaws; these should be free of dust, dirt, rust, and other foreign matter.
- Keep your fingers off the clamp jaws.
- Keep your fingers behind the safety barrier as shown in

#### Safety Information



This symbol, adjacent to another symbol or terminal, indicates the user must refer to the manual for further information.



This symbol, adjacent to a terminal, indicates that, under normal use, hazardous voltages may be present



Double insulation

#### Specifications

##### ● General Specifications

Output Impedance	<1k $\Omega$
AC Bandwidth	40 to 400Hz
Jaw opening	16 mm
Operating conditions	32°F to 86°F (0°C to 30°C) 90%RH; 86°F to 104°F (30°C to 40°C) 75%RH; 104°F to 122°F (40°C to 50°C) 45%RH

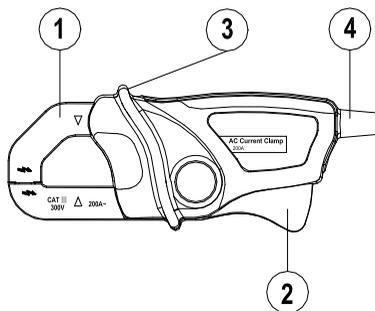
Storage conditions	- 22°F to 140°F (-30°C to 60°C); < 90% Relative Humidity
Altitude	Operate at less than 3000 meters
Weight	129g
Dimensions	111 x 50 x 33mm (HXWxD)
Standards	IEC1010-1 (1995); EN61010-1 (2001) Category II 600V, Category III 300V 

● **Range Specifications**

Function	Range	Output	Sensitivity	Accuracy (of reading)
AC Current (50/60Hz)	0~200A	1mV/A	1A/mV AC	±2.0%±0.5A

**Adaptor Description**

- 1, Current sense jaw
- 2, Clamp trigger
- 3, Safety barrier
- 4, Voltage output lead



**Using the Current Clamp**

To use the Current Clamp, follow these instructions:

- 1, Connect the test leads to the output shock of the clamp probe and input shock of the DMM (or other voltage measurement device).
- 2, Turns on the DMM and set it at ACV 200mV or 400mV
- 3, Position the Current Clamp perpendicular to and centered around the conductor.
- 4, Read the measured value from the DMM LCD display.

**Example with multimeter for the AC Current Clamp-on Adaptor**

Current Clamp sensitivity = 1mV/A. Multimeter displays 100.0mV.

Actual current = display value / sensitivity Current Clamp=100.0mV/1mV/A=100.0A