



AC/DC CURRENT CLAMP ADAPTOR

An ISO 9001:2008 Company

5 FUNCTIONS RANGES

Model CA-1000 / 2000



FEATURES :

- **Basic Accuracy** : 1.5%rdg + 2A
- CA1000/CA2000 Current Clamp is a transducer which will allow your multimeter to measure electrical Current upto 500/1000/2000 amperes AC or DC, with a Frequency response upto 400Hz.
- The clamp is built with a design of finger guard which ensures user operating the clamp under a safety situation, with a rugged case that is shock resistant and fire-retardant.
- When measuring current with this clamp, there is no need to break a circuit or to affect the isolation.
- It can be used for waveform analysis by connecting it to an oscilloscope.
- Auto Zero function

GENERAL SPECIFICATIONS :

- * **Jaw Opening Size** : 57mm conductor, 70 x 18 mm bus bars
- * **Measuring Range** : 0 to 1000A AC or 0 to 2000A DC max. (Model CA 1000)
0 to 1500A AC or 0 to 2000A DC max. (Model CA 2000)
- * **Output** : 0 to 1V rms or DC with > 1 Meg Ohms input impedance (Model CA 1000)
0 to 1.5V rms or 0 to 2V DC with > 1 Meg Ohms input impedance (Model CA 2000)
- * **Transfer Rate** : 1mV / 1A
- * **System Accuracy** : Current clamp accuracy + DMM accuracy
- * **Operating Temperature** : 0°C - 50°C; at < 70% R.H.
- * **Storage Temperature** : -20°C to 60°C; < 80% R.H.
- * **Temperature Coefficient** : 0.1 x (specified accuracy) / 1°C
(0°C to 18°C, 28°C to 50°C)
- * **Altitude** : 6561.7 feet (2000M)
- * **Output** : Coil cable with straight banana plug.
- * **Max. wire length** : 3.5 meter when fully stretched.
- * **Low battery indicator** : Red LED lighting.
- * **Power Supply** : 9V DC battery
- * **Dimension** : 100(W) x 224(L) x 40(H) mm
- * **Weight** : Approx. 490 gms. (Including battery)

SAFETY :

- The instrument complies with class II, CAT II 1000V of the EN61010-1, and EN61010-2-032 standards. Pollution degree 2 in accordance with IEC 664 indoor use.
- The product complies with the requirements of the following European community Directives : 89 /336 / EEC (Electromagnetic Compatibility) and 73 / 23 / EEC (Low Voltage) as ammended by 93 / 68 / EEC (CE marking).

ACCESSORIES :

Carrying Case, Battery installed & User's manual.

ELECTRICAL SPECIFICATIONS : CA-1000 / CA-2000

Accuracy is ± (% of reading + number of digits) at 23°C ± 5°C, 70% R.H. Maximum.

ACCURACY

TOTAL ACCURACY	Current Clamp Accuracy + DMM Accuracy
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CURRENT CLAMP ACCURACY :

DC CURRENT		
Range		Accuracy
0 ~ 400 A	A	± (1.5% rdg + 2 A)
400 A ~ 800 A	A	± (2.5% rdg + 2 A)
800 A ~ 1000 A		± (3.5% rdg + 3 A)
1000 A ~ 2000 A*		± (3.5% rdg + 3 A)

Overload Protection : 1200A for 60 sec. maximum.
*2000A in model CA 2000

AC CURRENT (Average Sensing)

RANGE	ACCURACY
0 - 400 A / 50 Hz - 60 Hz	± (1.5% rdg + 2 A)
0 - 400 A / 61 Hz - 400 Hz	± (3.5% rdg + 2 A)
400 A - 1000 A / 50 Hz - 60 Hz	± (2.0% rdg + 3 A)
400 A - 1000 A / 61 Hz - 400 Hz	± (3.5% rdg + 3 A)
1000 A - 1500 A*	± (3.5% rdg + 3 A)

Overload Protection : 1200A for 60 sec. maximum.
*1500A in model CA 2000

All Specifications are subject to change without prior notice



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