

mini DCA/ACA CLAMP

Model : CM-9940

ISO-9001, CE, IEC1010



FEATURES

- * Design meet IEC 1010 CATIII 600V safety requirement.
- * 4000 counts, Auto range & multi-functions.
- * Measurement for ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper.
- * Water resistance for the front panel.
- * Data hold.
- * Wide ranges (600 A, 400 A) clamp on current measurement both for ACA & DCA.
- * Overload protection circuit is provided for all range.
- * LSI circuit provides high reliability and durability.
- * Pocket & slim housing case, easy carryout. Compact & heavy duty ABS housing case. and durability.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

mini DCA /ACA CLAMP METER

Model : CM-9940

FEATURES

| | |
|--|---|
| * Jaw section is designed to meet IEC 1010 CATIII 600V safety requirement. | * Wide ranges (600 A, 400 A) clamp on current measurement both for ACA & DCA. |
| * 4000 counts, Auto range & multi-functions. | * Overload protection circuit is provided for all range. |
| * Measurement for ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper. | * LSI circuit provides high reliability and durability. |
| * Water resistance for the front panel. | * Pocket & slim housing case, easy carryout. |
| * Data hold. | * Compact & heavy duty ABS housing case. |

GENERAL SPECIFICATIONS

| | | | |
|-----------------------|--|---------------------------------|---|
| Display | 10.8 mm (0.43") LCD, 4 digits, Max. indication 5000 (frequency range). | Operating Humidity | Less than 80% RH. |
| Measurement Range | ACA, DCA, ACV, DCV, Ohms, Diode, Hz, Continuity beeper, Relative. | Weight | 230 g/0.50 LB (including battery). |
| Polarity | Automatic Switching, " - " indicates negative polarity. | Dimension | HWD : 178 x 64 x 33 mm (7.0 x 2.5 x 1.3 inch) |
| Current Sensor | Hall effect sensor. | Max. Jaw Open Size | 30 mm (1.18 inch) Dia. |
| Zero adjustment | DCA : Push bottom adjustment. Other ranges : Automatic adjustment. | Accessories Included | Operation manual..... 1 PC. Test lead (red & black)..... 1 PC. |
| Over-input | Indication of " 1 " or " -1 ". | Optional Accessories & Adapters | Carrying case, EMF Adapter, Light Adapter, Anemometer Adapter, Pressure Adapter, Sound Adapter, Tachometer Adapter, High Voltage Probe. |
| Sampling Time | Approx. 0.35 second. | | |
| Battery | 2 x 1.5V AA (UM-3) batteries. | | |
| Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F). | | |

ELECTRICAL SPECIFICATIONS (23 ± 5 °C)

| Function | Range | Resolution | Accuracy | Overload |
|----------------|--|------------|--------------------------|--------------|
| DC/AC Voltage | 400 mV (DC only) | 0.1 mV | ± (0.5 % + 2d) | AC/DC 600 V. |
| | 4 V | 0.001V | DCV: ± (1 % + 2d) | |
| | 40 V | 0.01V | ACV: ± (1.2 % + 5d) | |
| | 400 V | 0.1 V | | |
| | 600 V | 1 V | | |
| DC /AC current | 400 A ACA : 0.5 to 400A | 0.1 A | ± (2 % + 5 d) | AC/DC 600 A |
| | 600 A | 1 A | ± (2 % + 8 d) | |
| Remark | * Input impedance for ACV & DCV range is 10 Mega ohm. * ACA, ACV specification be tested on sine wave 50/60 Hz. | | | |

| Function | Range | Resolution | Accuracy | Overload |
|-------------------|--|------------|-----------------|---------------|
| Ohms | 400 ohm | 0.1 ohm | ± (1 % + 5 d) | AC / DC 400 V |
| | 4 K ohm | 1 ohm | | |
| | 40 K ohm | 10 ohm | | |
| | 400 K ohm | 100 ohm | | |
| | 4 M ohm | 1 K ohm | | |
| | 40 M ohm | 10Kohm | | |
| Frequency (5 V) | 5 Hz | 0.001 Hz | ± (1 % + 5 d) | AC / DC 250 V |
| | 50 Hz | 0.01 Hz | | |
| | 500 Hz | 0.1 Hz | | |
| | 5 KHz | 1 Hz | | |
| | 50 KHz | 0.01 KHz | | |
| | 100 KHz | 0.1 KHz | | |
| Diode | Short/non conductance, good/defect test. | | | |
| Continuity | If measuring resistance is less than 10 ohm, the beeper will sound . | | | |

* Appearance and specifications listed in this brochure are subject to change without notice.

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