

Smart, 1,000 A, + max. hold
CAT III 1,000 V, CAT IV 600 V

DCA/ACA CLAMP METER

Model : CM-6156

ISO-9001, CE, IEC1010



Smart, 1,000 A, + max. hold
DCA/ACA CLAMP METER

Model : CM-6156

- * V : Smart ACV/DCV Automatically.
- * Ω : Resistance, Diode, Continuity, Capacitance. Automatically.
- * 600A : Smart DCA/ACA.
- * 1000A : Smart DCA/ACA.
- * Function keys : Select, Zero, Hz, Max/Min, Range, Hold.
- * CAT III 1000V, CAT IV 600V.
- * Max. hold (Max., Min. measuring value)
- * 33 mm measuring conductor size.
- * Auto power off.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

Smart, 1000 A, IEC1010 CAT III 1000V, + max. hold

DCA/ACA CLAMP METER

Model : CM-6156

FEATURES

| |
|---|
| * Meet IEC 1010 CAT III 1000 V safety requirement. |
| * 6000 counts A/D, high resolution. |
| * ACV, ACA, DCV, DCA, ohms, continuity, Hz, Capacitance, Diode. |
| * Smart function, Auto range or manual range with hold. |
| * Smart operation, Build in 4 intelligent function : " V ", " Ω ", " 600A ", " 1000A ". |
| * " V " function can select ACV, DCV automatically with auto range. |
| * " Ω " function can select the Resistance , Diode, Continuity beeper, Capacitance automatically with auto range. |
| * " 600A " & " 1000A " function can select ACA, DCA automatically. |
| * Data hold . |
| * Auto shut off is available to save battery life. |
| * 10 M ohm impedance for voltage circuit. |
| * Built-in overload protection for most ranges. |
| * LSI circuit provides high reliability and durability. |
| * Uses durable, long-lasting components, enclosed in strong, light weight ABS-plastic housing. |
| * Full line optional adapters : Clamp adapter, Tachometer adapter, Pressure adapter, Humidity Adapter, Sound level adapter, Anemometer adapter, Light adapter, EMF adapter. |

GENERAL SPECIFICATIONS

| | |
|-------------------------|---|
| Display | 39.5 mm x29.8 mm large LCD display |
| Measurement | DCV, ACV, DCA, ACA, Resistance, Capacitance, Frequency, Diode, Continuity beeper. |
| A/D counts no. | 6000 counts. |
| Smart function | " V " function can select ACV, DCV automatically with auto range. " Ω " function can select the Resistance, Diode, Continuity beeper, Capacitance automatically with auto range. 600A " " 1000A " function can measure ACA, DCA . |
| MAX./MIN. | Records Maximum & Minimum readings with recall. |
| Data hold | To freeze the display reading on the LCD display |
| Power On/Off management | Auto power of or manual power off. |
| HZ button | When execute the voltage or current function also can measure the frequency of signal. |
| Selection Range | Smart function or auto function . manual range selecting. |
| Polarity | Automatic Switching, " - " indicates negative polarity. |
| Sampling time | Approx. 0.5 to 1 second. |
| Operating Temperature | 0 °C to 50 °C (32 °F to 122 °F) |
| Operating Humidity | Max. 80% RH. |
| Power supply | DC 9 V battery 006P,MN1604 |
| Power consumption | Approx. DC 9.1 mA. |
| Max. Conductor Size | 32 mm (1.3 inch) Dia.. |
| Dimension | 241 x94 x 46 mm (9.5 x 3.7 x 1.8 inch). |
| Weight | 373 g/0.82 LB (w/o battery). |
| Accessories Included | Red and Black Test Leads..... 1 Set Instruction Manual..... 1 PC Soft carrying case 1 PC |

| | |
|----------------------|--|
| Optional accessories | Full line adapters : ACA/DCA current adapter, Tachometer adapter, Humidity adapter, Pressure adapter, Light adapter, EMF adapter, Sound level adapter, High voltage probe. |
|----------------------|--|

ELECTRICAL SPECIFICATIONS (23± 5 °C)

DC Voltage

| | |
|----------------------|--|
| Range | 600 mV /6 V/60 V/600 V /1000 V |
| Resolution | 0.1 mV/0.001 V/0.01 V/0.1 V/1 V |
| Accuracy | ± (0.8% + 2d) 600 mV ± (0.8% + 1d) 6 V, 60 V, 600 V, 1000 V |
| Input impedance | 10 M ohm. |
| Over load protection | 600 mV range ± 500 DCV, 350 ACV other ranges ± 1000 DCV, 1000 ACV |

AC Voltage

| | |
|----------------------|---|
| Range | 6 V/60 V/600 V/1000 V |
| Resolution | 0.001V /0.01V /0.1V/1 V |
| Accuracy | ± (1% + 2d) * Spec. are tested under 50/60 Hz. |
| Input impedance | 10 M ohm. |
| Over load protection | 600 mV ran± 500 DCV, 350 ACV other range± 1000 DCV, 1000 ACV |

DC Current, AC Current

| | |
|----------------------|---|
| Range | 600A/1000A |
| Resolution | 0.1A /1A |
| Accuracy | 600 A Range ± (1.5% +15d) 1000 A Range ± (2% +8d) |
| Over load protection | AC/DC 1000A |
| Remark | * ACA specification be tested on sine wave 50/60 Hz. * Measurement range : 0.1A to 1000A |

Diode

| |
|---|
| Short/non conductance, good/defect test |
|---|

Capacitance

| | |
|----------------------|--|
| Range | 6 nF/60 nF/600 nF/6 uF/60 uF/600 uF |
| Resolution | 0.001nF/0.01nF/0.1 nF/0.001uF/0.01uF/0.1uF |
| Accuracy | ± (3 % + 5d) |
| Over load protection | ± 30 DCV, 30 ACV. |
| Remark | Discharge capacitor before testing. |

Frequency

| | |
|----------------------|-----------------------|
| Range | 40Hz to 1KHz |
| Resolution | 0.001kHz |
| Accuracy | ± (0.5% + 2d) |
| Over load protection | ± 1000 DCV, 1000 ACV. |

OHMS (auto range)

| | |
|----------------------|---|
| Range | 600/6 K/60 K/600 K/6 M/60M |
| Resolution | 0.1Ω /0.001K/0.01K/0.1K/0.001M/0.01M |
| Accuracy | 600 ohm : ± (1 % + 2d) 6K/60K/600K/6M/60M : ± (1.5 % + 2d) |
| Over load protection | ± 350 DCV, 350 ACV. |

Continuity Beeper

| |
|--|
| Beeper will sound if measured resistance less than 20 ohm. |
|--|

Max. & Min. Measurement

| |
|--|
| During the operation can memorize the maximum and the minimum measurement value. |
|--|

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

1502-CM6156