

Heavy duty, 100V/250V/500V/1000V, DMM

INSULATION TESTER

Model : DI-6400

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

Heavy duty INSULATION TESTER

Model : DI-6400

FEATURES

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| * Digital display, easy and correct read-out. |
| * Auto-range and multi-function for insulation measurement of 4/40/400/4000 MΩ (100 V, 250 V, 500 V, 1000 V). |
| * Insulation measurement with auto discharge function, safety. |
| * Build in the ACV & DCV & OHMS measurement function. |
| * Precision 400 ohm & 4000 ohm auto-range easy for measuring low resistance such as motor windings, relay coils etc. |
| * A continuity beeper is equipped in OHM range. |
| * Data hold function to lock the current reading. |
| * Lock & Test functions offer worker's safety and easy operation. |
| * 77 X 49 mm (1.06" height) large LCD display. |
| * Battery operating easily to carry with user. |
| * LCD display allows clear read-out even at bright place. |
| * LSI-circuit provides high reliability and durability. |
| * Built-in over-input and low battery indication. |
| * Overload protection for each range. |
| * Automatic zero adjust & automatic circuit discharge. |
| * Durable & portable housing case with the front protective cover. |
| * RS-232 computer interface. |
| * Powered by AA DC 1.5V X 8 batteries. |

GENERAL SPECIFICATIONS

| | | |
|--------------------|--|--|
| Display | 27 mm (1.06") LCD (Liquid Crystal Display), Max. indication : 6100 (V), 4200 (MΩ), 4200 (Ω). | |
| Measurement | Insulation | 4/40/400 MΩ /100 V 4/40/400/4000 MΩ /250 V 4/40/400/4000 MΩ /500 V 4/40/400/4000 MΩ /1000 V |
| | DCV | 600.0 V |
| | ACV | 600.0 V |
| | OHM | 400.0/4000 Ω |
| | Sampling Time | 0.4 second. |
| 4000M ohm | Max. approx. 4.0 second. | |
| Respond Time | | |
| Zero Adjustment | Automatic adjustment. | |
| Over-input | Indication of " - - - - " . | |
| Operating Temp. | 0 to 50 °C (0 to 122 °F). | |
| Operating Humidity | Less than 80% R.H. | |

| | |
|----------------------|---|
| Power Supply | 1.5V AA (UM-3) battery x 8 PCs, Alkaline or heavy duty battery, |
| Power Consumption | Approx. 112 mA (100M ohm/1000V range). Approx. 70 mA (100 M ohm/500V range). Approx. 58 mA (100 M ohm/250V range). Approx. 53 mA (100 M ohm/100V range). Approx. 18 mA (ACV range). Approx. 18 mA (DCV range). Approx. 65 mA (0 ohm/OHM range). |
| Dimension | 225 x 125 x 64 mm (8.86 x 4.92 x 2.52 inch), |
| Weight | 819 g / 1.80 LB (includes 8 PCs batteries). |
| Standard Accessories | Instruction Manual1 PC Test leads (TL-88)..... 1 set Heavy duty alligators (AL-05).....1 pair |
| Optional Accessories | RS232 cable, UPCB-02 USB cable, USB-01 Data Acquisition software, SW-U801-WIN |

ELECTRICAL SPECIFICATIONS (23± 5 °C)

| Meg ohm (Insulation) | | |
|---|--|------------------------|
| Range | Accuracy | Resolution |
| 4/40/400/4000 M ohm (100V/250V/500V/1KV) | ± (3% + 5d) < 2000 M ohm ± (5% + 5d) ≥ 2000 M ohm < 4000 M ohm | 1 K/10 K/0.1 M/1 M ohm |

| OHMS | | | |
|--|--------------|------------|----------------------|
| Range | Accuracy | Resolution | Open Circuit Voltage |
| 400/4000 ohm | ± (1% + 2d) | 0.1/1 ohm | Approx. 4.7 V |
| * Overload Circuit Protection AC/DC 500V (within 20 sec) | | | |

| DC VOLTAGE | | | |
|--|----------------|------------|-----------------|
| Range | Accuracy | Resolution | Input Impedance |
| 600 DCV | ± (1.5% + 2d) | 0.1 DCV | 10 M ohm |
| * Overload Circuit Protection AC/DC 600V | | | |

| AC VOLTAGE | | | |
|--|----------------|------------|-----------------|
| Range | Accuracy | Resolution | Input Impedance |
| 600 ACV | ± (1.5% + 2d) | 0.1 ACV | 10 M ohm |
| * Overload Circuit Protection AC/DC 600V | | | |

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

0808-DI6400