

*Heavy duty*

# INSULATION TESTER

Model : DI-6400

ISO-9001, CE, IEC1010



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

# Heavy duty INSULATION TESTER

Model : DI-6400

## FEATURES

* 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 Manual .....1 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.

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