



DIGITAL INSULATION TESTER DIT-25M

DIGITAL INSULATION RESISTANCE TESTER CUM Digital Multimeter

The functions of the Digital Multimeter are completely separated from those of the insulating resistance tester.

<u>500V</u> 4GΩ	<u>1000V</u> 40GΩ	<u>2500V</u> 40GΩ
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Measurement facility upto 1000V DC, 700V AC, 400mA DC, 400mA AC, 40MΩ Resistance, 40μF, Capacitance 4MHz frequency diode Test, continuity buzzer test.

INSULATION TESTER


- ❖ COMPACT
- ❖ HIGH ACCURACY
- ❖ RELIABILITY IN OPERATION
- ❖ CONVENIENT TO USE
- ❖ MEASURES THE OUTPUT HIGH VOLTAGE OF ITS OWN

MULTIMETER



APPLICATION : Measurement of the Insulating resistance of various insulating materials and electric equipments such as Transformer, Motors, Cables, switches and electric apparatus. Also applicable to maintenance, test and inspection of various electric equipments.

GENERAL CHARACTERISTICS :

1. Auto range : “OL” will be displayed for overload.
2. Display mode : Liquid crystal display; maximum display ; 4000;
3. Sampling rate ; 2 tomes per second
4. The Meter can display actual insulation test voltage LED light is used to indicate high voltage output status.
5. Operating environment : 0°C-40°C, less than 75% RH.
6. Storage environment : -10°C-60°C, less than 80% RH.
7. Maximum power consumption : 4.5W; minimum power consumption 18mW.
8. Indication for insufficient battery capacity : “” is displayed;
9. Power supply : 6 pieces of AA1.5V battery (LR6×6)
10. Auto power off : The multimeter is turned off automatically in approx. 15 minutes after it is turned on if no key is pressed or the knob is not turned.
11. External dimension : 170(Length) × 156 (Width) × 64 (Height)mm (Approx.)
12. Weight : Approx. 650grams (including the battery)



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Technical characteristics and operating description of the insulation Tester

Accuracy : $\pm\%$ reading \pm number, One year warranty

Environment to guarantee the accuracy : $23^{\circ}\text{C}\pm 5^{\circ}\text{C}$, Less than 75% RH

Rated measurement voltage, valid measurement range and precision

Rated Voltage	Measurement range	Accuracy
500V	0.5M Ω -4G Ω	0.5M-200M Ω : $\pm 3\%$ rdg ± 5 , 200M-4G Ω : $\pm 5\%$ rdg ± 5 , 4G-40G Ω : $\pm 10\%$ rdg ± 5
1000V	1.5M-40G	
2500V	5M-40G Ω	

Display Range

Rated Voltage	Display range (autorange)	Resolution
500V	4M/40M/400M/4G Ω	1K/10K/100K/1M Ω
1000V	40M/400M/4G/40G	10K/100K/1M/10M Ω
2500V	40M/400M/4G/40G Ω	10K/100K/1M/10M Ω

Characteristics of the measurement terminal

Rated Voltage	Allowed range of open circuit voltage	The Measurement resistance value that can maintain lower limit of the rated voltage	Short circuit current
500V	90%-110% of the rated voltage	500K Ω (ERR is displayed when it is less than 400K Ω)	Not less than 1.5mA
1000V		1.5M Ω (ERR is displayed when it is less than 1M Ω)	
2500V		5M Ω (ERR is displayed when it is less than 2M Ω)	

Standard Accessories :

Set of Testing leads (2 Black & 1 Red), Instruction Manual, 6 Nos. 1.5V (AA type) Battery.

'CIE' in a continuing effort to other excellent products at a fair value, reserved the right to change models, specification and designs without notice.

Note ; Inspection if any at our works will be carried out as per facility available only.

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