METRAVI | DIGITAL INSULATION TESTER (BATTERY CUM MAINS OPERATED) | DIT-99

FEATURES

- CPU controlled, simple operation
- **Powered by four AAA batteries and by mains 230V AC.**
- Voltage options:
    - i. DIT-99A — 100V
    - ii. DIT-99B — 250V
    - iii. DIT-99C — 500V
    - iv. DIT-99D — 1000V
- Auto Data Hold.
- High voltage output automatically delay for 30s
- Fault protection, buzzer alarms if short circuit
- Equipped with an external DC power supply socket.

OVERVIEW

The DIT-99 series changes 6V voltage into 100V/250V/500V/1000V DC voltage by using low power loss, high change rate inductance energy store type DC voltage converter. It measures insulation resistance by analogue / digital circuit.

- CPU controlled. Easy and accurate readout
- High stability and reliability
- LCD display for low power consumption and clear readout
- Suitable for on-site maintenance of escalator, electric and mechanical equipment as well as telecommunication equipment.

GENERAL SPECIFICATIONS

- **Display:** 60 x 32mm LCD
- **Max reading:** 1999 counts
- **Overload indication:** LCD displays "1"
- **Power:** 4 x AAA batteries and by 230V AC 50Hz
- **Low Battery:** Low battery sign on LCD
- **Static consumption:** about 10mA, short circuit current: >1.7mA
- **Operation Environment:** Temperature: 0ºC - 40ºC; Humidity: 30%-80%RH
- **Storage Environment:** Temperature: -10ºC - 50ºC; Humidity: <85%RH
- **Dimension:** 80 x 185 x 45mm
- **Weight:** 500g(including battery)
- **Accessories:** Mains Adaptor, Instruction Manual, Test Lead.

TECHNICAL SPECIFICATIONS

Model	Voltage	Range	Measurement range	Resolution	Medium Resistance	Accuracy
DIT-99A	100V	200MΩ	2MO~200MΩ	0.1MΩ	2MΩ	±(4%+5d)
DIT-99B	250V	200MΩ	2MO~200MΩ	0.1MΩ	2MΩ	
DIT-99C	500V	1GΩ	20MO~1GΩ	1MΩ	20MΩ	
DIT-99D	1000V	2GΩ	20MO~2GΩ	1MΩ	20MΩ	±(5%+5d)

Note: Medium resistance ensures that voltage from two terminals is not less than 90% of the tested voltage of minimum value of measure resistance. Following below medium resistance, circuit protection launched buzzer alarm.