



EMPOWERING
MEASUREMENT

Digital Insulation Tester B50K



FEATURES

- AC mains 230V (optional 110V) cum internal rechargeable sealed maintenance free lead acid battery operated.
- Built in battery charger.
- Selectable test voltages.
- Automatic external voltages detection and warning.
- Accurate and precise resistance measurement using
- Automatic Discharge of capacitive circuits, after insulation test.
- Protected against accidental connection to 230V/440 AC supplies.
- Portable and lightweight suitable for lab as well as field use.

GENERAL SPECIFICATIONS

- Response Time : Less than 3 seconds.
- HV ON/EXT. VOLTAGE Indication : Above 40 volts between EARTH & Line terminals.
- Max. allowable external voltage : 500 volt AC/DC between EARTH & LINE terminals.
- External Capacitor Discharge Time : 2.5 seconds per micro-farad to discharge from 5000 volts to 50 volts.
- Internal Discharge Resistance : 470 K

ELECTRICAL SPECIFICATIONS

At 25⁰±3⁰C and 55% RH ±10%

1	Resistance Indicating Device	Analog Moving Coil meter
2	Scale length	89mm
3	Effective Range of	0 - 50 G and
4	First effective range	50 M to 5 G
5	Second effective range	5 G to 50 G
6	Accuracy First effective range Second effective range Maximum deviation of pointer from any marked position Zero and Infinity Marks	±5% of reading ±10% of reading <±1 mm ±0.7% of Scale length
7	Terminal Voltage (DC) (Measured with 1000M input impedance probe) Rated Terminal Voltage Accuracy	1000V and 5000V <±10% at infinity scale mark More than 90% at centre scale mark.

INPUT POWER

- Power Source : 230VAC±10%, 50Hz, or Internal Rechargeable Battery 12V/ 1.2Ah
- Battery Charging Time : 16 Hours

PHYSICAL

- Dimensions : 340 mm (D) X 258 mm (W) X 145 mm (H)
- Net Weight : 4 Kg. Approx.
- After packing : 6 Kg. Approx.

ACCESSORIES SUPPLIED

- One Pair of Test Leads with crocodile clips.
- Mains Cord.
- Battery Pack Installed.
- Instruction Manual.

OPTIONAL ACCESSORIES

- Test leads up to 10 meter long with crocodile clips.
- Guard Test lead.

APPLICATIONS

- Insulation test involving long test durations.
- Testing of Relays, Contactors, Switches,
- HT Cables and Power transmission Cables.
- Motors, Transformers and Generators testing.
- Electrical Switch Gears and Circuit breakers.
- Insulating Materials.

NOTES 1. The Instrument is accompanied with Test & calibration sheet. 2. Test Facilities can be provided at the factory with the available test set-ups only. 3. The Company's policy is continuous improvement of its products. we therefore reserve the Right of any deviation from illustration or specifications without notice. 4. Stated accuracies are valid from 1/10th of range to FS. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55%RH ± 10%.



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