

# Digital Insulation Tester B500K



## 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.



## ELECTRICAL SPECIFICATIONS

At 25°±3°C and 55% RH ±10%

|   |  |
|---|--|
| Resistance Indicating Device                          | Analog Moving Coil meter   |
| Scale length  | 89mm   |
| Effective Range of measurement                        | 0 - 500 G and<br>0 - 100 G and @ 1KV<br>0 - 200 G and @ 2KV<br>0 - 300 G and @ 3KV<br>0 - 400 G and @ 4KV<br>0 - 500 G and @ 5KV |
| First effective range                                 | 500 M to 50 G  |
| Second effective range                                | 50 G to 500 G  |
| Accuracy  |  |
| First effective range                                 | ±5% of reading   |
| Second effective range                                | ±10% of reading  |
| Maximum deviation of pointer from any marked position | <±1 mm   |
| Zero and Infinity Marks                               | ±0.7% of Scale length  |
| Rated Terminal Voltage Accuracy                       | 1000V to 5000V (Selectable)<br><±10% at infinity scale mark<br>More than 90% at centre scale mark.                               |

## 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.

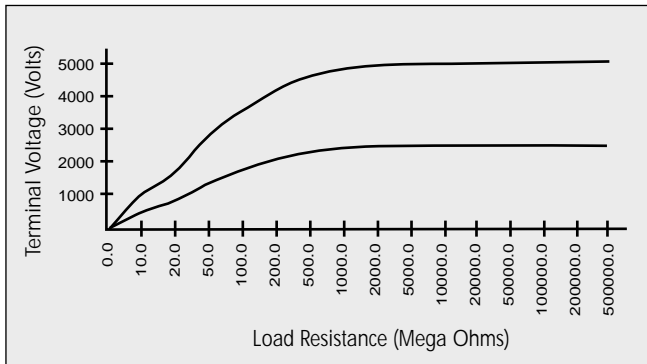
## INPUT POWER

- 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.

## TERMINAL VOLTAGE CHARACTERISTICS



we have a solution.....

Rev. 08/09/00

**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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