



GENERAL SPECIFICATIONS

DISPLAY	: 3½ digit LCD, 1999 counts, 'LO BAT' indication
OVER RANGE INDICATION	: "1" is displayed in most Significant digit.
DIELECTRIC STRENGTH	: Withstands 1 min after application of 2000 V AC (rms) between measuring terminals and the case.
ENVIRONMENT :	
TEMP COEFFICIENT	: $\pm 0.2\% / C^{\circ}$
OPERATING	: 0 TO 55°C. < 90% RH at 40°C non condensing
STORAGE	: -10 to 70°C, < 90% RH at 40°C non condensing
PHYSICAL:	
DIMENSIONS	: 100mm(W)x180mm(H) x 54 mm(D) Approx WEIGHT : 0.5 Kg. Approx.

ELECTRICAL SPECIFICATIONS

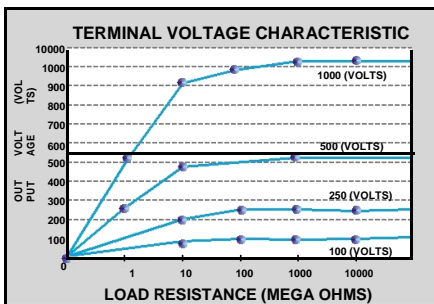
RESISTANCE	
Ranges	: 200MΩ and 2000MΩ
Accuracy	: $\pm 2\% \pm 5$ digits (from 10% to 90% of the range)
OUTPUT VOLTAGE	
Ranges	: 100V/250V/500V and 1000V DC
Accuracy	: $\pm 5\%$ (with 1000MΩi/p impedance probe)
Short Circuit Current	: 1mA approx for all Test Voltages
AC VOLTAGE MEASUREMENT	
0 to 750V at 50Hz to 500Hz : ($\pm 5\% + 5$ digit)	
POWER SOURCE	
Operates from internal rechargeable battery	
Battery Life	: 1 to 3 hours for load from 20 to 2000MΩ
Charging Time	: 16 hours

DESCRIPTION

The Digital Insutester® D2K-M is a compact, light weight 3½ digit Insulation Tester. It operates from an internal rechargeable battery thus eliminates recurring cost of frequent battery replacement. The Insutester® is equipped with selectable test voltages of 100V, 250V, 500V & 1000 V DC available with resistance ranges of 200MΩ & 2000MΩ, combining the ranges of various conventional hand cranking insulation testers. The instrument offers unprecedented accuracy of 2% and is designed to withstand extreme environmental conditions. The Insutester® is housed in a robust moulded ABS case for shock resistance, and its dust resistant construction keeps out contaminants for high reliability. The performance of the D2K-M is evaluated at Government accredited Regional Test Laboratory.

APPLICATIONS

The Insutester® D2K-M will find applications in electrical contracting, both on domestic and industrial systems and onsite maintenance departments. It is suitable for insulation measurements during installation, servicing and maintenance work. The instrument is ideal for testing Transformers, Motors, Generators, Switch Gears, Domestic Appliances, Power Tools, Power Cables etc. as well as fixed wiring systems. By virtue of its capability to take fast reading, it is well suited to test relays, switches and contactors. The D2K-M can also be used for QA testing of PCB's, capacitors and insulating materials. Suitable for Cable Industries where testing is carried out at 100V.



ACCESSORIES SUPPLIED

1. A set of low noise one meter long leads with multipurpose detachable crocodile clip.
2. Battery charger.
3. Instruction Manual.
4. Test lead pair for AC Voltage Measurement.

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 \pm 5 C & 55%RH \pm 10%.



