

# i2K

**INSUTESTER**<sup>®</sup>

**MOTWANE**  
EMPOWERING  
MEASUREMENT



**GUARANTEED  
SHOCK PROOF**

## 1KV Digital Insulation Tester



Best Suited for Electrical Contractor  
& LT Equipments

# SPECIFICATIONS

## GENERAL

- Display : 3 ½ digit LCD
- Enclosure Material : ABS casing
- Dimensions (W x H x D) : Approx.175 mm x 85 mm x 41mm
- Weight : Approx.425gm. (With battery)
- Over range indication : Indicated by displaying “1”

## ENVIRONMENTAL

- Operating Temp. : 0°C to 50°C
- Storage Temp. : -25°C to 60°C
- Relative Humidity : 90% RH at 40°C max.

## POWER

- Battery : 6 X 1.5V AA cells IEC LR6 Alkaline
- Low Battery Indication : “LO BAT” is displayed

## SAFETY

- CE Certifications
- Measurement Category : CAT II(1000V)/CAT III (600V)  
Reinforced Insulation
- Relevant Standard Specifications: Safety According to EN 61010-1  
EMC According to EN 61326-1

## TECHNICAL SPECIFICATIONS

Measurement Function	Range	Resolution	Accuracy ± (% reading +dgt)	Overload value and duration
Insulation Resistance MΩ	200 MΩ	0.1 MΩ	± (5% ± 2)	230 V DC/AC rms 30 sec
	2000 MΩ	1M Ω		
Test Voltage	250V	NA	± (10% ± 5)	
	500V			
	1000V			
Continuity	0- 19.99Ω	0.01Ω	±( 3% ± 5)	

## RECOMMENDATIONS

- Accuracy is not valid if display shows “LO BAT”. In this case immediately replace the battery
- It is recommended to recalibrate the instruments once in a year

## Application

- Electrical Switchboard
- Industrial, Commercial & Residential Installations
- Electrical Equipments (Switchgear, Motors, Transformers, Machines etc.)
- House Hold Appliances (Washing Machines, Mixer etc.)
- Cables & Wirings
- Pumps

## STANDARD ACCESSORIES

- Crocodile Test lead set with 1 Meter long (Jaw Size: Approx 15.0mm)
- Instruction Manual
- Batteries 6 X 1.5V AA, Alkaline ( IEC LR6)
- Calibration certificate

## OPTIONAL ACCESSORIES

- Test Lead Set with one end pointed tip and another with 4mm shrouded banana



## Smart Features

- Guard Terminal to eliminate surface leakages
- Double Reinforced Insulation (Shock Proof)

## General Features

- Rugged, Reliable & Portable
- Continuity Measurement
- Select Test voltage 250, 500, 1000V DC Output
- Insulation Resistance Measurement in two ranges 200MΩ & 2000MΩ
- High Voltage ‘HV ON’ indication

## 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 10% of the range to 95% of the range. 5. Accuracy Specified for temperature range of 25°C ± 5°C & 55% RH ±10%.