

# PREMIER'S DIGITAL INSULATION TESTER

*Model: PE 1000*



**APPLICATIONS:** [www.premierin.com](http://www.premierin.com)

- Electrical Equipment Maintenance
- Quality Control in Manufacturing
- Commissioning of Electrical Systems
- Electrical Safety Compliance
- Predictive Maintenance
- Renewable Energy Systems
- Telecommunications Infrastructure



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## FEATURES:

- Stabilized High voltage DC supply as Test Voltage.
- Output short circuit protected (Max current 1mA.)
- Designed with relevant ISI and IEC specification.
- Applies rated D.C. Voltage across the measurement terminals & displays the value of insulations.

## TECHNICAL SPECIFICATIONS:

Display	: 3 digit , 0.5" ht., Red LED
Test Voltages	: 500V DC or 1000V DC
Range	: 0-199 MEG    199 GIGA    19.9 GIGA
Resolution	: 1 MEG    10 MEG    0.1 GIGA
Accuracy	: 1% $\pm$ 1 count.
Protection	: Against short circuit/ Inductive load/ Capacitive load/ Charged input.
Power	: 230V AC $\pm$ 10%, 50Hz
Dimensions	: 192(W) x 96(H) x 150(D) mm
OPTIONS	: 1. Other Test Voltages on request.

## HOW TO USE:

1. Switch on the unit and connect the red & black patch cords to the unit
2. Connect the red and black to the points between which you want to measure the insulation resistance.

### For Appliances:

Connect the Red to the Line & Neutral of the mains cord AND Black to the Earth pin or the body

### For Wires:

Connect the Red to conductors of the wire AND Black to the insulating sleeve

### For Cable:

Connect the Red to conductors of one of the wire AND Black to the insulating sleeve or to other wire's conductors

**SCAN QR CODE  
FOR VIDEO  
DEMO**



## UNDERSTANDING THE READINGS:

1. The value displayed is the resistance in Mega Ohm
2. For DIGIT "1" displayed on the leftmost digit is the indication of OVERRANGE i.e. the resistance is GREATER THAN 200 MEGA OHM

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