



### Features

- Test Voltages of 500V, 1000V, 2500V, and 5000V
- Measure Insulation Resistance to 60GΩ
- Large backlit LCD display with analog bargraph
- Timer function for insulation resistance measurements (1 to 15min)
- AC/DC Voltage from 0 to 600V with Max/Min, peak and relative functions
- Polarization index measurement (PI)
- Dielectric absorption ratio measurements (DAR)
- Max/Min, Peak, Relative value and Data Hold functions
- Cat. IV 600V safety rating
- Low battery indicator and auto shut off
- Includes test leads, alligator clips, AC adapter, batteries and hard carrying case

### Specifications

#### Test Voltage

Ranges: 500V, 1000V, 2500V, 5000V  
Accuracy: ±2.5% of reading

#### Insulation Resistance

Ranges: 0 to 6MΩ, 0 to 60MΩ, 0 to 600MΩ, 0 to 6GΩ, 0 to 60GΩ  
Accuracy: ±2.5% of reading

### TECHNICAL DATA

#### AC/DC Voltage

Range: 0 to 600V  
Accuracy: ±1% of reading

#### Resistance

Range: 0 to 600Ω  
Accuracy: ±1.5% of reading

#### General Specifications

Range Selection: Manual / Autoranging  
Display: 6000 count LCD display with bargraph

Max/Min, Peak, Relative and Data Hold Functions: Yes  
Sampling Rate: 2.5 times/sec.  
Backlit Display: Yes  
Analog Bargraph: Yes  
Auto Power Off: Yes (after 20 minutes)  
Continuity Buzzer: Yes (< 35Ω)  
Power Supply: 8 C Batteries or AC Adapter (included)  
Low Battery Indicator: Yes  
Fuse Protection: Yes  
Overvoltage Category: CAT. IV 600V  
Product Certifications: CE  
Operating Temperature: 32 to 104°F (0 to 40°C)  
Storage Temperature: -4 to 140°F (-20 to 60°C)  
Dimensions: 7.8 x 5.8 x 3.4" (198 x 148 x 86mm)  
Weight: 3lbs (1.5kg)

| Model              | Description                                   |
|--------------------|-----------------------------------------------|
| <b>R5002</b>       | Digital High Voltage Insulation Tester        |
| <b>R5002-CLIPB</b> | Black Alligator Clip                          |
| <b>R5002-CLIPG</b> | Green Alligator Clip                          |
| <b>R5002-CLIPR</b> | Red Alligator Clip                            |
| <b>R5002-HOOK</b>  | Hook For Red Test Probe                       |
| <b>R5002-PROBE</b> | Red Test Probe                                |
| <b>R5002-TLB</b>   | Black Test Lead                               |
| <b>R5002-TLG</b>   | Green Test Lead                               |
| <b>R5002-TLR</b>   | Red Test Lead                                 |
| <b>R8888</b>       | Hard Carrying Case                            |
| <b>R5002-NIST</b>  | Digital High Voltage Insulation Tester & NIST |