REEDINSTRUMENTS

Digital High Voltage Insulation Tester Model R5002







Features

- Test Voltages of 500V, 1000V, 2500V, and 5000V
- Measure Insulation Resistance to $60G\Omega$
- Large backlit LCD display with analog bargraph
- Timer function for insulation resistance measurements (1 to 15min)
- AC/DC Voltage from O 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:

Accuracy:

500V, 1000V, 2500V, 5000V ±2.5% of reading

O to $60G\Omega$

±2.5% of reading

O to $6M\Omega$, O to $60M\Omega$,

O to $600M\Omega$, O to $6G\Omega$,

Insulation Resistance Ranges:

Accuracy:

AC/DC Voltage Range: Accuracy:

Resistance Range: Accuracy:

General Specifications Range Selection: Display:

Max/Min, Peak, Relative and Data Hold Functions: Sampling Rate: Backlit Display: Analog Bargraph: Auto Power Off: Continuity Buzzer: Power Supply:

Low Battery Indicator: Fuse Protection: Overvoltage Category: Product Certifications: Operating Temperature: Storage Temperature: Dimensions:

TECHNICAL DATA

O to 600V ±1% of reading

 $0 \text{ to } 600 \Omega$ $\pm 1.5\%$ of reading

Manual / Autoranging 6000 count LCD display with bargraph

Yes 2.5 times/sec. Yes Yes Yes (after 20 minutes) Yes (< 35Ω) 8 C Batteries or AC Adapter (included) Yes Yes CAT. IV 600V CF 32 to 104°F (O to 40°C) -4 to 140°F (-20 to 60°C) 7.8 x 5.8 x 3.4" (198 x 148 x 86mm) 3lbs (1.5kg)

Weight:

Model	Description
R5002	Digital High Voltage Insulation Tester
R5002-CLIPB	Black Alligator Clip
R5002-CLIPG	Green Alligator Clip
R5002-CLIPR	Red Alligator Clip
R5002-H00K	Hook For Red Test Probe
R5002-PROBE	Red Test Probe
R5002-TLB	Black Test Lead
R5002-TLG	Green Test Lead
R5002-TLR	Red Test Lead
R8888	Hard Carrying Case
R5002-NIST	Digital High Voltage Insulation Tester & NIST

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