

2-, 3- and 4-Point Ground Resistance Tester Kit with DataView® Software – EST6472



- Measures Ground Impedance at frequencies up to 5kHz to test lightning strike protection
- Ground Resistance testing using the 2 clamp method [no auxiliary rods needed] using optional current probes
- Includes DataView® software for data storage, real-time display, analysis, report generation and system configuration
- 3-Point Fall-of-Potential measurement with manual or automatic frequency selection
- Used under difficult conditions such as the presence of high-stray currents that normally affect accuracy
- Automatic report generation including the fall of potential plot
- 4-Point soil resistivity measurement with automatic calculation of Rho and user selection of Wenner or Schlumberger test method
- 3-Point earth coupling measurement
- Manual and automatic frequency scan from 41 to 5,078Hz for optimum test accuracy in electrically-noisy environments
- Selectable test voltage of 16 or 32V up to 250mA of test current
- 2- and 4-Wire Bond Resistance/Continuity Measurement (DC Resistance) with automatic polarity reversal
- Stores up to 512 complete test results in internal memory
- Optically isolated USB communication included
- Display with automatic backlight when entering a function
- Rugged dustproof and rainproof field case - IP53 rated in closed position
- AC-powered with rechargeable NiMH batteries from wall charger or vehicle power
- Auto-off power management



Part Number	EST6472
Certifications	CE
Standard Packaging Quantity	1 pc
UPC	78285663898
EAN-13	8711893099928

Ground Resistance Tester Information	
3-Point Measurement	
2-Clamp Measurement	
Soil Resistivity 4-Point Measurement	
External Voltage Measurement	
Resistance Measurement (Bond Testing)	
Data Storage	
Power	
Range (Auto-Ranging)	0.09Ω to 99.9kΩ
Resolution	0.01Ω to 100Ω
Test Voltage	Nominal 16 or 32Vrms user selectable
Operating Frequency	41 to 5078Hz automatic or user selectable
Test Current	Up to 250mA
Accuracy	±2% of Reading + 1ct @ 128Hz
Range	0.1 to 500Ω
Resolution	0.01 to 1Ω

Ground Resistance Tester Information	
3-Point Measurement	
2-Clamp Measurement	
Soil Resistivity 4-Point Measurement	
External Voltage Measurement	
Resistance Measurement (Bond Testing)	
Data Storage	
Power	
Operating Frequency	Auto: 1367Hz; Manual: 128Hz-1367Hz-1611Hz-1758Hz
Test Method	Wenner or Schlumberger selectable with automatic calculation of test results in Ω -meters
Range (Auto-Ranging)	0.01 to 99.99k Ω ; ρ max: 999k Ω m
Resolution	0.01 to 100 Ω
Test Voltage	16 or 32V user selectable
Operating Frequency	From 41 to 128Hz selectable
Range (Auto-Ranging)	0.1 to 65.0VAC/DC – DC to 440Hz
Accuracy	$\pm 2\%$ of Reading + 1ct
Measurement Type	2-Pole (with lead resistance compensation) or 4-Pole (Kelvin sensing) user selectable
Range (Auto-Ranging)	2-Pole 0.02 Ω to 99.99k Ω ; 4-Pole 0.02 Ω to 99.99k Ω
Accuracy	$\pm 2\%$ of Reading + 2cts
Test Voltage	16VDC (+, - or auto polarity)
Test Current	Up to 250mA max
Memory Capacity	512 test results (64KB)
Power Source	9.6V rechargeable battery pack (included)
Recharging Source	110/220 50/60Hz external charger with 18Vdc, 1.9A output

Kit includes: Two 300' (91.4 m) color-coded leads on spools (red and blue), two 5' (1.5 m) color-coded leads (red and blue), two 100' (30.5 m) color-coded leads (green and black), four 14.5" (368 mm) T-shaped auxiliary ground electrodes, one set of five-spaded lugs, one 100' (30.5 m) tape measure, and one carrying bag.

Ground Resistance Tester Clamp-On Probe is not included and must be ordered separately.

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WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.erico.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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