



## Ground Resistance Tester Model 6472

Cat. #2135.51

**4-Point soil resistivity (Wenner or Schlumberger), 2- and 4-Wire bond testing, ground resistance testing, optically isolated USB communication**

The Digital Ground Resistance Tester Model 6472 performs bond resistance, ground resistance, soil resistivity, earth coupling, and Step & Touch potential tests. When used in combination with the GroundFlex Adapter Model 6474 (factory supplied product only), Power Transmission Tower and Tower Leg Ground Resistance testing is also available. Up to 512 test results can be stored in internal memory for later recall to the display or download to a computer running DataView (free) for analysis and report generation.

4-Point Earth Resistance Measurement	
Range (Auto-Ranging)	0.011Ω to 99.99kΩ
Resolution	0.001 to 10Ω
Accuracy	±(2% Reading +1ct)
Test Voltage	16 or 32V; 41 to 5078Hz
Test Current	Up to 250mA
Selective 4-Pole (with optional probes MN82 or SR182)	
Same characteristics as with 4-point earth resistance measurement	
3-Point Earth Resistance Measurement	
Range (Auto-Ranging)	0.09Ω to 99.9kΩ
Resolution	0.01 to 100Ω
Accuracy	±(2% Reading +1ct)
Test Voltage	16 or 32V; 41 to 5078Hz
Test Current	Up to 250mA
Soil Resistivity 4-Point Measurement	
Test method	Wenner or Schlumberger selectable with automatic calculation
Range (Auto-Ranging)	0.01 to 99.9kΩ; ρ max: 999kΩm
Resolution	0.01 to 100Ω
Accuracy (Typical)	±(2% Reading +1ct)
Test Voltage	16 or 32V; 41 to 128Hz selectable
Earth/Ground Potential Measurement V Pot	
Range (Auto-Ranging)	0.01mV to 65.00V

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

<b>Resolution</b>	0.01 to 10mV
<b>Accuracy (Typical)</b>	±(5% Reading +1ct)
<b>Test Voltage</b>	16 or 32V; 41 to 5078Hz
<b>2 Clamp Ground Measurement (with optional probes MN82 or SR182)</b>	
<b>Range (Auto-Ranging)</b>	0.1 to 500Ω
<b>Resolution</b>	0.01 to 1Ω
<b>Measurement Frequency</b>	Auto: 1611Hz; Manual: 128Hz-1367Hz-1611Hz-1758Hz
<b>DC Resistance Measurement (Bond Testing) 2-Pole (with lead resistance compensation) or 4-Pole (Kelvin sensing)</b>	
<b>Range (Auto-Ranging)</b>	2-pole: 0.12Ω to 99.9kΩ 4-pole: 0.020Ω to 99.99kΩ
<b>Resolution</b>	2 -pole: 0.01 to 100Ω 4-pole: 0.001 to 10Ω
<b>Accuracy (Typical)</b>	±(2% Reading +2ct)
<b>Test Voltage</b>	16V DC; (+, - or auto polarity)
<b>Test Current</b>	Up to 250mA
<b>Current Measurement (with optional probes MN82 or SR182)</b>	
<b>Range</b>	0.01mA to 40A, 16 to 400Hz
<b>Accuracy (Typical)</b>	±(3% Reading +2ct) typical
<b>External Voltage Measurement</b>	
<b>Range</b>	0.1 to 65V AC/DC – DC, 15 to 440Hz
<b>Accuracy</b>	±(2% Reading +1ct)
<b>General Features</b>	
<b>Pylon Ground Testing</b>	Available by connecting AEMC Model 6474 and a set of GroundFlex sensors
<b>Memory</b>	512 measurements (64KB)
<b>Communication</b>	USB 2.0 optically isolated, DataView software included
<b>Power Source</b>	9.6V rechargeable battery pack with external 110/220V charger
<b>Battery Life</b>	1500 tests typical in automatic mode
<b>Dimensions</b>	10.7 x 9.80 x 5.12" (272 x 248 x 130mm)
<b>Weight</b>	7lbs. (3.2kg) with battery
<b>Case</b>	UL V0 Polypropylene
<b>Operating Temperature</b>	32° to +113°F (0° to +45°C)
<b>Storage Temperature</b>	-40° to 158°F (-40° to +70°C)
<b>Relative Humidity</b>	Up to 90%
<b>Ingress Protection (IP)</b>	IP 53 with cover closed
<b>EMC</b>	EN 61326-1

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