



## Ground Resistance Tester Model 6471

Cat. #2135.48

Range (0.01 to 99,000)  $\Omega$  and is auto-ranging, Resolution (0.001 to 10)  $\Omega$ , Measures grounding resistance, earth coupling, soil resistivity, and bonding

Also available in complete Kits (300ft and 500ft).

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4-Point Earth Resistance Measurement	
Range (Auto-Ranging)	0.01 $\Omega$ to 99.99 k $\Omega$
Resolution	(0.001 to 10) $\Omega$
Accuracy	$\pm(2\%$ Reading +1 ct)
Test Voltage	(16 or 32) V; (41 to 513) Hz
Test Current	Up to 250 mA
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)	0.09 $\Omega$ to 99.9 k $\Omega$
Resolution	(0.01 to 100) $\Omega$
Accuracy	$\pm(2\%$ Reading +1 ct)
Test Voltage	(16 or 32) V; (41 to 513) Hz
Test Current	Up to 250 mA
Soil Resistivity 4-Point Measurement	
Test method	Wenner or Schlumberger selectable with automatic calculation
Range (Auto-Ranging)	0.01 $\Omega$ to 99.9 k $\Omega$ ; $\rho$ max: 999 k $\Omega$ m
Resolution	(0.01 to 100) $\Omega$
Accuracy (Typical)	$\pm(2\%$ Reading +1 ct)
Test Voltage	(16 or 32) V; (41 to 128) Hz selectable
2 Clamp Ground Measurement (with optional probes MN82 or SR182)	
Range (Auto-Ranging)	(0.1 to 500) $\Omega$

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

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<b>Resolution</b>	(0.01 to 1) $\Omega$
<b>Measurement Frequency</b>	Auto: 1611 Hz; Manual: 128 Hz-1367 Hz-1611 Hz-1758 Hz
<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: 0.12 $\Omega$ to 99.9 k $\Omega$ 4-pole: 0.020 $\Omega$ to 99.99 k $\Omega$
<b>Resolution</b>	2 -pole: (0.01 to 100) $\Omega$ 4-pole: (0.001 to 10) $\Omega$
<b>Accuracy (Typical)</b>	$\pm$ (2 % Reading +2 ct)
<b>Test Voltage</b>	16 V DC; (+, - or auto polarity)
<b>Test Current</b>	Up to 250 mA
<b>Current Measurement (with optional probes MN82 or SR182)</b>	
<b>Range</b>	0.01 mA to 40 A, (16 to 400) Hz
<b>Accuracy (Typical)</b>	$\pm$ (3 % Reading +2 ct) typical
<b>External Voltage Measurement</b>	
<b>Range</b>	(0.1 to 65) V AC/DC – DC, (15 to 440) Hz
<b>Accuracy</b>	$\pm$ (2 % Reading +1 ct)
<b>General Features</b>	
<b>Memory</b>	512 measurements (64 KB)
<b>Communication</b>	USB 2.0 optically isolated, DataView software included
<b>Power Source</b>	9.6 V rechargeable battery pack with external 110/220 V charger
<b>Battery Life</b>	1500 tests typical in automatic mode
<b>Dimensions</b>	(10.7 x 9.80 x 5.12) in (272 x 248 x 130) mm
<b>Weight</b>	7 lb (3.2 kg) with battery
<b>Case</b>	UL V0 Polypropylene
<b>Operating Temperature</b>	(32 to 113) $^{\circ}$ F (0 to +5) $^{\circ}$ C
<b>Storage Temperature</b>	(-40 to 158) $^{\circ}$ F (-40 to 70) $^{\circ}$ C
<b>Relative Humidity</b>	Up to 90 % RH
<b>Ingress Protection (IP)</b>	IP 53 with cover closed
<b>EMC</b>	EN 61326-1
<b>Safety Compliance</b>	IEC 61010-1, EN 61557, 50 V CAT IV, Pollution Degree 2



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