

## Ground Resistance Tester Model 6424 (Digital, 3-Point)



Cat. #2135.57

Range 0.5 Ω to 50 kΩ for 3-point ground resistance (3P mode), 0.05 Ω to 50 kΩ for 2-pole resistance (2P mode), Automatic Test Current 20 mA max, ±10 V peak open Voltage, >1500 measurements @100 Ω in 3 P mode

The Digital Ground Resistance Tester Model 6424 performs 2-pole and 3-pole ground resistance measurement. This direct reading tester is auto-ranging, so it automatically seeks out the optimum measurement range.

Ground Tester | Ground Rod Tester | Earth Ground Tester | Ground Continuity Tester | Ground Wire Tester

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ELECTRICAL				
<b>Voltage</b>				
Range	(0.1 to 600) VAC/DC			
Resolution	0.1 V			
Accuracy	± (1 % R + 1 ct)			
<b>Current</b>				
Range	(0.5 to 60.00) AAC (requires optional MN72 probe)			
<b>Ground Resistance (2P Mode)</b>				
Measurement Range	(0.05 to 99.99) Ω	(80.0 to 999.9) Ω	(0.800-9.999) kΩ	(8.00-50.00) kΩ
Resolution	0.01 Ω	0.1 Ω	1 Ω	0 Ω
Intrinsic Uncertainty	± (2 %R + 10 ct)	± (2 %R + 2 ct)	±(2 %R + 1 ct)	±(2 %R + 1 ct)
<b>Ground Resistance (3P Mode)</b>				
Measurement Range	(0.50 to 99.99) Ω	(80.00 to 999.99) Ω	(0.800 to 9.999) kΩ	(8.00 to 50.000) kΩ
Resolution	0.01 Ω	0.1 Ω	1 Ω	10 Ω
Intrinsic Uncertainty	± (1 % R + 10 ct)	± (1 % R + 2 ct)	± (1 % R + 1 ct)	
Measurement Frequency	128 Hz or 256 Hz (automatically selected)			

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

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<b>No-load Voltage</b>	±10 V peak
<b>Maximum Test Current</b>	20 mA
<b>Measurement Mode</b>	One shot or continuous
<b>Data Storage</b>	Stores the (52, 62 and 72) % 3P resistance measurements
<b>Calculation</b>	Calculates average and % deviation of the three saved readings
<b>GENERAL</b>	
<b>Display</b>	Backlit LCD
<b>Measurement Mode</b>	V, I, 2P (Ω), 3P (Ω)
<b>Power Supply</b>	(6) 1.2 V AA NIMH rechargeable, charging time approx. 6 h
<b>Battery Life</b>	>1,500 x 3P earth measurements at 100 Ω
<b>Dimensions</b>	(8.78 x 4.96 x 2.75) in (223 x 126 x 70) mm
<b>SAFETY</b>	
<b>Safety Ratings</b>	EMC: IEC 61326-1; IEC 61010-2-030 / 600 V CAT IV

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