

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



Cat. #2135.57

Range 0.5 to 50Ω, Automatic Test Current 20mA max, ±10V peak open Voltage, >1500 measurements @100Ω 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				
Voltage				
Range	0.1-600VAC/DC			
Resolution	0.1V			
Accuracy	±(1%R + 1ct)			
Current				
Range	0.5-60.00AAC (requires optional MN72 probe)			
Ground Resistance (2P Mode)				
Measurement Range	0.05-99.99Ω	80.0-999.9Ω	0.800-9.999kΩ	8.00-50.00kΩ
Resolution	0.01Ω	0.1Ω	1Ω	0Ω
Intrinsic Uncertainty	± (2%R + 10 ct)	± (2%R + 2 ct)	±(2%R + 1 ct)	±(2%R + 1 ct)
Ground Resistance (3P Mode)				
Measurement Range	0.50-99.99Ω	80.00-999.99Ω	0.800-9.999kΩ	8.00-50.000kΩ
Resolution	0.01Ω	0.1Ω	1Ω	10Ω
Intrinsic Uncertainty	± (1%R + 10ct)	± (1%R + 2ct)	± (1%R + 1ct)	
Measurement Frequency	128Hz or 256Hz (automatically selected)			
No-load Voltage	±10 V peak			

For more details, download the datasheet or user manual at www.aemc.com

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customerservice@aemc.com • techsupport@aemc.com

Maximum Test Current	20mA
Measurement Mode	One shot or continuous
Data Storage	Stores the 52%, 62% and 72% 3P resistance measurements
Calculation	Calculates average and % deviation of the three saved readings
GENERAL	
Display	Backlit LCD
Measurement Mode	V, I, 2P (Ω), 3P (Ω)
Power Supply	(6) NiMH rechargeable batteries, charging time approx. 6 hrs
Battery Life	>1,500 x 3P earth measurements at 100 Ω
Dimensions	8.78 x 4.96 x 2.75" (223 x 126 x 70mm)
SAFETY	
Safety Ratings	EMC: IEC 61326-1; IEC 61010-2-030 / 600 V CAT IV

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