



Micro-Ohmmeter Model 6255

Cat. #2129.84

10 A, Instantaneous, Continuous, Multiple Test, includes 25 A Kelvin Clips (Hippo) and DataView® Software

Four-lead Kelvin tester measures very low resistance from 1 $\mu\Omega$ to 2500 Ω with results within 0.05 %. Three test modes are available; resistive (instantaneous test), inductive (continuous test), and auto (repetitive test). Stores up to 1500 measurements. Includes DataView® for configuring the instrument, downloading data, and generating reports.

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Measurement Range				
Range	Resolution	Accuracy @ 23 °C \pm 5 °C	Measurement Current	Voltage Drop
5 m Ω	0.1 $\mu\Omega$	\pm (0.15 % +1.0 $\mu\Omega$)	10 A	50 mV
25 m Ω	1 $\mu\Omega$	\pm (0.05 % +3 $\mu\Omega$)	10 A	250 mV
250 m Ω	10 $\mu\Omega$	\pm (0.05 % +30 $\mu\Omega$)	10 A	2500 mV
2500 m Ω	0.1 m Ω	\pm (0.05 % +0.3 m Ω)	1 A	2500 mV
25 Ω	1 m Ω	\pm (0.05 % +3 m Ω)	100 mA	2500 mV
250 Ω	10 m Ω	\pm (0.05 % +30 m Ω)	10 mA	2500 mV
2500 Ω	100 m Ω	\pm (0.05 % +300 m Ω)	1 mA	2500 mV
Temperature Measurement	3 wire 100 Ω platinum RTD			
Accuracy	\pm 0.5 °C			
Resolution	0.1 °C			
Selectable Metal Type	Yes – Copper, Aluminum or Custom			
Alarm Mode	Yes – 2 Alarms with High-Low trigger			
Storage Memory	1500 tests, supplied with DataView® software for download and reporting			
Battery	Rechargeable NIMH battery pack 6 V, 8.5 A·h			
Battery Life: 10A	\geq 5000 tests typical			
Battery Charger	120/240 VAC \pm 20 % (45 to 400) Hz			
Auto Power OFF	When battery voltage <5.0 V			

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

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Overload Protection	250 Vrms	
Dimensions (L x W x H)	(10.70 x 9.76 x 7.18) in (272 x 248 x 182) mm	
Weight	8.1 lbs (3.69 kg)	
IP Rating	IP64 (with cover closed) IP53 (with cover open)	
Altitude Operating	2000 m	
Operating Temperature	(14 to 131) °F (-10 to 55) °C & (10 to 80) % RH	
Storage Temperature (without battery)	(-40 to 140) °F (-40 to 60) °C & (10 to 90) % RH	
Safety	IEC/EN 61010-1 50V CAT III Pollution 2	CE

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