



Micro-Ohmmeter Model 6255

Cat. #2129.84

10A, Instantaneous, Continuous, Multiple Test, includes 10A 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.

Measurement Range				
Range	Resolution	Accuracy @ 23°C±5°C	Measurement Current	Voltage Drop
5m Ω	0.1 $\mu\Omega$	±(0.15% +1.0 $\mu\Omega$)	10A	50mV
25m Ω	1 $\mu\Omega$	±(0.05% +3 $\mu\Omega$)	10A	250mV
250m Ω	10 $\mu\Omega$	±(0.05% +30 $\mu\Omega$)	10A	2500mV
2500m Ω	0.1m Ω	±(0.05% +0.3m Ω)	1A	2500mV
25 Ω	1m Ω	±(0.05% +3m Ω)	100mA	2500mV
250 Ω	10m Ω	±(0.05% +30m Ω)	10mA	2500mV
2500 Ω	100m Ω	±(0.05% +300m Ω)	1mA	2500mV
Temperature Measurement	3 wire 100 Ω platinum RTD			
Accuracy	±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 6V, 8.5Ah			
Battery Life: 10A	≥ 5000 tests typical			
Battery Charger	120/240VAC ± 20% (45 to 400Hz)			
Auto Power OFF	When battery voltage <5.0V			
Overload Protection	250Vrms			
Dimensions (L x W x H)	10.70 x 9.76 x 7.18" (272 x 248 x 182mm)			
Weight	8.1 lbs (3.69 kg)			

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

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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