



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.

Cat.#2129.84

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	$\pm(0.05 \% + 0.3 \text{ m}\Omega)$	1 A	2500 mV
25 Ω	1 m Ω	$\pm(0.05 \% + 3 \text{ m}\Omega)$	100 mA	2500 mV
250 Ω	10 m Ω	$\pm(0.05 \% + 30 \text{ m}\Omega)$	10 mA	2500 mV
2500 Ω	100 m Ω	$\pm(0.05 \% + 300 \text{ m}\Omega)$	1 mA	2500 mV
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 6 V, 8.5 A•h			
Battery Life: 10A	≥ 5000 tests typical			
Battery Charger	120/240 VAC ± 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

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com

customerservice@aemc.com • techsupport@aemc.com

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	

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

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • www.aemc.com
customerservice@aemc.com • techsupport@aemc.com