



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

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

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

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