



## Micro-Ohmmeter Model 6240

Cat. #2129.80

**10A, Instantaneous, Continuous, Multiple Test, Manual/Auto Temperature Compensation; includes 10A Kelvin Clips and DataView® software**

Four-lead Kelvin tester measures very low resistance from  $1\mu\Omega$  to  $400\Omega$  with resolutions to  $1\mu\Omega$ . Selectable test currents of 10A, 1A, 100mA, and 10mA, with a polarity reversal function. Tests both resistive and inductive material, and stores up to 99 measurements. Includes DataView® for configuring the instrument, downloading data, and generating reports.

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Specifications						
Measurement Range	5.0 to 3999 $\mu\Omega$	4.0 to 39.99 m $\Omega$	40.0 -to 399.9 m $\Omega$	400 to 3999 m $\Omega$	4.0 to 39.99 $\Omega$	40.0 to 399.9 $\Omega$
Resolution	1 $\mu\Omega$	10 $\mu\Omega$	100 $\mu\Omega$	1 m $\Omega$	10 m $\Omega$	100 m $\Omega$
Accuracy	$\pm(0.25\%R + 2ct)$					
Measurement Current	10.2 A $\pm 2\%$	1.02 A $\pm 2\%$		102 mA $\pm 2\%$	10.2 mA $\pm 2\%$	
Open Voltage	4 to 6V					
Inductance	0.5 H Max					
Voltage Measurement Indication						
Measurement Range	0.01 to 3.999 mV	4 to 39.99 mV	40 to 399.9 mV	0.4 to 3.999 V	4 to 4.70 V	
Resolution	1 $\mu\text{V}$	10 $\mu\text{V}$	100 $\mu\text{V}$	1 mV	10 mV	
Current Measurement Indication						
Measurement Range	5.0 to 39.99 mA	40.0 to 399.9 mA		0.4 to 3.999 A	4 to 11.00 A	
Resolution	10 $\mu\text{A}$	100 $\mu\text{A}$		1 mA	10 mA	
General Specifications						
Storage Memory	99 tests, supplied with DataView® software for download and reporting					
Automatic Storage of Test Results	Yes					
Battery	Rechargeable NIMH battery pack 6V, 8.5Ah.					
Battery Life	10 A	$\geq 850$ tests with a duty cycle of 5 seconds on and 25s off				

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

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	1 A	≥ 3500 tests with a duty cycle of 5 seconds on and 25s off
	100 mA	≥ 4500 tests with a duty cycle of 5 seconds on and 25s off
	10 mA	≥ 5000 tests with a duty cycle of 5 seconds on and 25s off
	In standby mode	Battery life 4 to 6 months
<b>Dimensions (L x W x H)</b>	10.70 x 9.76 x 7.18" (272 x 248 x 182 mm)	
<b>Weight</b>	10 lbs (4.5 kg)	
<b>Operating Temperature</b>	-10° to +55°C (14° to 131°F) & 10 to 85% RH	
<b>Storage Temperature (without battery)</b>	-40° to +70°C (-40° to 158°F) & 10 to 90% RH	
<b>Altitude Operating</b>	2000 m	
<b>IP Rating</b>	IP 54 per IEC 60529 cover closed	
<b>Safety</b>	IEC/EN 61010-1 category III 50V, Pollution Degree 2	



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