

# Micro-Ohmmeter Comparison

v0318

Form Factor			
Model # (Catalog #) / Amperage	<b>6240 (2129.80) / 10Amp</b>	<b>6255 (2129.84) / 10Amp</b>	<b>6292 (2129.83) / 200Amp</b>
Faceplate			
Test Current Range	<b>10mA - 10A</b>	<b>1mA - 10A</b>	<b>5A - 200A</b>
Resistance Range	<b>5.0μΩ - 400Ω</b>	<b>1.0μΩ to 2500Ω</b>	<b>0.10μΩ - 1.0Ω</b>
[Test Current / Range / Resolution / Accuracy]	<ul style="list-style-type: none"> <li>10mA / 400Ω [10mA / 40.0 - 399.9Ω / 100mΩ / ±0.25% ±2ct]</li> <li>10mA / 40Ω [10mA / 4.0 - 39.99Ω / 10mΩ / ±0.25% ±2ct]</li> <li>100mA / 4000mΩ [100mA / 400 - 3999mΩ / 1mΩ / ±0.25% ±2ct]</li> <li>1A / 400mΩ [1.0A / 40.0 - 399.9mΩ / 100μΩ / ±0.25% ±2ct]</li> <li>1A / 40mΩ [1.0A / 4.0 - 39.99mΩ / 10μΩ / ±0.25% ±2ct]</li> <li>10A / 4000μΩ [10A / 5.0 - 3999μΩ / 1μΩ / ±0.25% ±2ct]</li> </ul>	<ul style="list-style-type: none"> <li>10A - 5mΩ [10A / 1.0μΩ - 5.0mΩ / 0.1μΩ / ±0.15% ±1μΩ]</li> <li>10A - 25mΩ [10A / 25.0mΩ / 1μΩ / ±0.05% ±3μΩ]</li> <li>10A - 250mΩ [10A / 250mΩ / 10μΩ / ±0.05% ±30μΩ]</li> <li>1A - 2500mΩ [1A / 2500mΩ / 0.1mΩ / ±0.05% ±0.3mΩ]</li> <li>100mA - 25Ω [100mA / 25Ω / 1mΩ / ±0.05% ±3mΩ]</li> <li>10mA - 250Ω [10mA / 250Ω / 10mΩ / ±0.05% ±30mΩ]</li> <li>1mA - 2500Ω [1mA / 2500Ω / 100mΩ / ±0.05% ±300mΩ]</li> </ul>	<ul style="list-style-type: none"> <li>[50A-200A / 0.1μΩ - 2mΩ / 0.1μΩ / ±1% From 50μΩ]</li> <li>[25A At 200mΩ / 2.0mΩ - 200mΩ / 10μΩ / ±1% From 50μΩ]</li> <li>[5A At 1Ω / 200.0mΩ - 1.0Ω / 1mΩ / ±1% From 50μΩ]</li> </ul>
4-Wire Kelvin Measurement?	Yes	Yes	Yes
Temperature Compensation?	Yes (Manually Using DataView)	Yes (Automatic Or Manual)	Yes (Manually Using DataView)
RTD Temperature Measurement?	No	Yes (3-Wire Platinum RTD)	No
RTD Temp Resolution / Accuracy	-	0.1°C / ±0.5°C	-
Polarity Reverse Function?	Yes - On Front Panel	No	No
Alarm Function?	No	Yes - 2 Alarms w/Hi-Lo Trigger	No
Selectable Inductive/Resistive Mode?	No	Yes	No
Selectable Metal Type?	No	Yes	Yes (Manually Using DataView)
Programmable/Adjustable Test Duration?	No	No	Yes - 5 To 120 Seconds >100A, Unlimited Duration <100A
Both Sides Grounded (BSG) Mode?	No	No	Yes - Requires MR6292 Probe
Measurement Memory Storage?	Yes - 99 Tests	Yes - 1500 Tests	Yes - 8000 Tests
Automatic Storage Of Test Results?	Yes	No	Yes
DataView Compatible?	Yes	Yes	Yes
Internal Rechargeable Battery?	Yes	Yes	No, 100-240Vac Line Power
Battery Life?	850 Tests At 10A (Typical)	5000 Tests At 10A (Typical)	-
Maximum Lead Resistance?	0.2Ω (0.1Ω per current lead)	0.4Ω (0.2Ω per current lead)	N/A