

MICRO-OHMMETERS

10 A



cover closed

cover open

MODEL 6255

Accurate results within 0.05 %
Provides extended test time at 10 Amps without overheating



DataView®

FEATURES

- Measure from 1 $\mu\Omega$ (0.1 $\mu\Omega$ resolution) to 2500.0 Ω
- Test current selection of (1, 10, and 100) mA, and (1 and 10) A
- RTD temperature probe to check tested sample (*optional*)
- Selectable metal types
- Automatic and manual temperature correction
- Two programmable alarm set points
- Stores up to 1500 test results
- Selectable inductive or resistive test modes
- Automatic multiple test mode (*multiple tests without pressing the test button*)
- Large multi-line electroluminescent display
- Local or remote test setup and control
- Internal rechargeable batteries conduct up to 5000 – 10 A tests
- Rugged, double insulated watertight case
- Includes FREE DataView® software for data retrieval, real-time display, analysis and report generation

MODEL	6255						
Range	5.0000 m Ω	25.000 m Ω	250.00 m Ω	2500.0 m Ω	25.000 Ω	250.00 Ω	2500.0 Ω
Accuracy	$\pm 0.15\%$ of Reading +1.0 $\mu\Omega$	$\pm 0.05\%$ of Reading + 3 $\mu\Omega$	$\pm 0.05\%$ of Reading + 30 $\mu\Omega$	$\pm 0.05\%$ of Reading + 0.3 m Ω	$\pm 0.05\%$ of Reading + 3 m Ω	$\pm 0.05\%$ of Reading + 30 m Ω	$\pm 0.05\%$ of Reading + 300 m Ω
Resolution	0.1 $\mu\Omega$	1 $\mu\Omega$	10 $\mu\Omega$	0.1 m Ω	1 m Ω	10 m Ω	100 m Ω
Test Current	10 A			1 A	100 mA	10 mA	1 mA
Measurement Mode	Selectable: Inductive (<i>continuous test</i>), Resistive (<i>instantaneous test</i>) or Auto (<i>multiple tests</i>)						
Metal Type Alpha	Selectable: copper, aluminum or other metal Programmable from 000.00 to 99.99						
Alarms	Two – programmable set points from (0.0 to 2500.0) Ω						
Memory	Stores up to 1500 test results; data in memory can be reviewed on the instrument display, on a PC or via direct printout						
Power Supply	Rechargeable 6 V, 8.5 A-h NiMH battery pack (<i>included</i>)						
Battery Life	Approximately 5000 10 A tests						

Consult factory for NIST Calibration prices.

ACCESSORIES/REPLACEMENTS

- CAT. #1017.84** Kelvin Clips 10 ft (10 A - Hippo)
- CAT. #2118.70** Kelvin Clips 20 ft (10 A - Hippo)
- CAT. #2118.73** Kelvin Probes 10 ft (1 A, Spring Loaded)
- CAT. #2118.74** Kelvin Probes 20 ft (1 A, Spring Loaded)
- CAT. #2118.84** Kelvin Probes Pistol Grip 10 ft (25 A, Spring Loaded)
- CAT. #2118.85** Kelvin Probes Pistol Grip 20 ft (25 A, Spring Loaded)
- CAT. #2118.77** Kelvin Probes 10 ft (10 A, Spring Loaded)
- CAT. #2118.78** Kelvin Probes 20 ft (10 A, Spring Loaded)
- CAT. #2118.79** Kelvin Clips 10 ft (1-10 A)/Replacement for Cat. #2118.71
- CAT. #2118.80** Kelvin Clips 20 ft (1-10 A)/Replacement for Cat. #2118.72
- CAT. #2119.45** Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable
- CAT. #2129.95** RTD Temperature Probe (*plug into faceplate for ambient temperature*)
- CAT. #2129.96** RTD Temperature Probe with 7 ft extension cable

PRODUCT INCLUDES

Extra large tool bag, set of (2) 10 ft Kelvin Clips (10 A - Hippo), set of (2) 10 ft Kelvin Probes (1 A - Spring Loaded), RS-232 DB9 F/F 6 ft null modem cable, RS-232 to USB adapter, US 115 V power cord, NiMH rechargeable 6 V battery pack (*installed in meter*), quick start guide and a USB drive with DataView® software and user manual.

SHOWN: CAT. #2129.84



CAT. # DESCRIPTION

2129.84	Micro-Ohmmeter Model 6255 (10 A, Instantaneous, Continuous, Multiple Test, Manual/Auto Temperature Compensation; includes 10 ft Kelvin Clips (10 A-Hippo, CAT. #1017.84), 10 ft Kelvin Probes (1 A Spring Loaded, CAT. #2118.73) and DataView® Software)
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