

Digital 10 A Micro-Ohmmeters

Automatic report generation

Both Models

- EMF levels measured and eliminated in measurement
- Programmable alarm set points
- Automatic multiple test mode (multiple tests without pressing the test button)
- Local or remote test setup and control
- Internal rechargeable batteries—conduct up to 5000 10 A tests (model dependent)
- Selectable test current and resistance ranges
- Simple one button “press-to-start” operation
- Software temperature correction for accurate measurements
- Automatically takes multiple measurements by simply moving the test probes from point to point
- Front panel buttons for polarity reversal, data storage, data recall and display options
- Stores test results in memory
- Large easy-to-read backlit electroluminescent display
- Data storage, analysis and report generation through DataView® software (included)

Model 6240

- Temperature compensation with software
- 0.25% accuracy and 1 $\mu\Omega$ resolution
- Up to 850 to 10 A tests between charges



Model 6240



Model 6250



27443-45



20018-28

Model 6250

- Measure from 0.0001 m Ω (0.1 $\mu\Omega$ resolution) to 2500.0 Ω
- Test current selection of 1 mA, 10 mA, 100 mA, 1 A and 10 A
- Automatic and manual temperature correction
- RTD temperature probe to check tested sample (optional)
- Selectable metal types
- Selectable inductive or resistive test modes
- High accuracy of 0.05%



Kelvin probes, set of two, (1A) 20 ft 27443-63



Kelvin probes, set of two, spring loaded (1A) 10 ft 27443-62 (1A) 20 ft 27443-64



Kelvin clips, set of two, (10A - Hippo) 10 ft 27443-24 (10A - Hippo) 20 ft 27443-60



RTD temperature probe with 7 ft extension cable 20002-84

SPECIFICATIONS

Model	6240						
Range	4000 $\mu\Omega$	40 m Ω	400 m Ω	4000 m Ω	40 Ω	400 Ω	
Accuracy	0.25% \pm 2cts	0.25% \pm 2cts	0.25% \pm 2cts	0.25% \pm 2cts	0.25% \pm 2cts	0.25% \pm 2cts	
Resolution	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	1 A	100 mA	10 mA	10 mA	
Memory	Stores up to 99 test results						
Power source	Rechargeable 6V, 8.5Ah NiMH batteries						
Model	6250						
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	0.15% + 1 $\mu\Omega$	0.05% + 3 $\mu\Omega$	0.05% + 30 $\mu\Omega$	0.05% + 0.3 m Ω	0.05% + 3 m Ω	0.05% + 30 m Ω	0.05% + 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	10 A	10 A	1 A	100 mA	10 mA	1 mA
Measurement mode	Selectable: Inductive (continuous test), Resistive (instantaneous test) or Auto (multiple tests)						
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	Rechargeable 6 V, 8.5Ah NiMH batteries						
Battery life	Approximately 5000 10 A tests						

Standard accessories include: Measuring results form, DataView software, NiMH batteries, RS-232 (6250), USB (6240), and carrying bag.

Catalog No.	Model No.	Description	Price
S-27443-45	6240	10A Micro-Ohmmeter	
S-20018-28	6250	10A Micro-Ohmmeter with auto/manual temperature compensation	
Accessories			
S-27443-24	1017.84	Kelvin clips (10 A – Hippo), set of two, 10 ft (included with model 6250 only)	
S-20002-83	2129.95	RTD Temperature probe (plug into faceplate for ambient temperature with model 6250 only)	
S-20002-84	2129.96	RTD Temperature probe with 7 ft extension cable (model 6250 only)	
S-27443-60	2118.70	Kelvin clips (10 A – Hippo), set of two, 20 ft (model 6240 only)	
S-27443-63	2118.72	Kelvin clips (1 to 10 A), set of two, 20 ft	
S-27443-62	2118.73	Kelvin probes (1A), set of two, spring loaded, 10 ft	
S-27443-64	2118.74	Kelvin probes (1A), set of two, spring loaded, 20 ft	
S-17101-26	—	NIST-traceable calibration with data	