

Model 6240

Auto calculates resistance from 5μΩ to 400Ω with resolutions down to 1μΩ

► SPECIFICATIONS

MODEL	6240					
Range	4000μΩ	40mΩ	400mΩ	4000mΩ	40Ω	400Ω
Accuracy	0.25% of Reading ± 2cts	0.25% of Reading ± 2cts	0.25% of Reading ± 2cts	0.25% of Reading ± 2cts	0.25% of Reading ± 2cts	0.25% of Reading ± 2cts
Resolution	1μΩ	10μΩ	0.1mΩ	1mΩ	10mΩ	100mΩ
Test Current	10A	1A	1A	100mA	10mA	10mA
Max. Inductive Load	0 to 5 H					
Memory	Stores up to 99 test results					
Power Source	Rechargeable 6V, 8.5Ah NiMH battery pack (included)					



cover closed



► INCLUDE

6240 & 6250

Extra large tool bag, set of two 10 ft Kelvin clips (10A-Hippo), US 115V power cord, one pad of measurement results forms, two spare fuses (12.5A), NiMH rechargeable battery pack, and USB stick supplied with product user manual and DataView® software.



Optical USB Cable
(Model 6240 only)
Catalog #2135.41



RS-232 D89 F/F 6 ft Null Modem Cable
(Model 6250 only)
Catalog #2119.45

RS-232 to USB Adapter
(Model 6250 only)
Catalog #5000.60

► FEATURES

- Reliable low resistance measurements from 5μΩ to 400Ω
- Four-terminal Kelvin resistance measurement eliminates test lead resistance
- 10A test current up to 4000μΩ
- 0.25% basic accuracy
- 1μΩ resolution
- Direct reading, easy to operate
- Six selectable resistance ranges
- Reverse polarity switch
- Overload and input fuse protection
- Manufactured to international safety and environmental standards
- Automatic decimal point and zeroing
- Large terminals accept banana plugs and spaded lugs
- Rechargeable NiMH battery with internal charger (110/220V)
- Large multifunctional backlit display
- Includes power cord and isolated USB cable
- Includes FREE DataView® software for data storage, real-time display, analysis and report generation

CATALOG NO.	DESCRIPTION
2129.80	10A Micro-Ohmmeter Model 6240
Accessories (Optional)	
1017.84	Kelvin Clips 10 ft (10A – Hippo)
2118.70	Kelvin Clips 20 ft (10A – Hippo)
2118.73	Kelvin Probes 10 ft (1A, Spring Loaded)
2118.74	Kelvin Probes 20 ft (1A, Spring Loaded)
2118.75	Kelvin Probes Pistol Grip (10A – Spring Loaded), 10 ft
2118.76	Kelvin Probes Pistol Grip (10A – Spring Loaded), 20 ft
2118.77	Kelvin Probes (10A – Spring Loaded), 10 ft
2118.78	Kelvin Probes (10A – Spring Loaded), 20 ft
2118.79	Kelvin Clips 10 ft (1-10A) Replacement for Cat #2118.71
2118.80	Kelvin Clips 20 ft (1-10A) Replacement for Cat #2118.72

Model 6250

Accurate results within 0.05%

SPECIFICATIONS

MODEL	6250						
Range	5.0000 mΩ	25.000 mΩ	250.00 mΩ	2500.0 mΩ	25.000 Ω	250.00 Ω	2500.0 Ω
Accuracy	0.15% of Reading + 1.0μΩ	0.05% of Reading + 3μΩ	0.05% of Reading + 30μΩ	0.05% of Reading + 0.3mΩ	0.05% of Reading + 3mΩ	0.05% of Reading + 30mΩ	0.05% of Reading + 300mΩ
Resolution	0.1μΩ	1μΩ	10μΩ	0.1mΩ	1mΩ	10mΩ	100mΩ
Test Current	10A	10A	10A	1A	100mA	10mA	1mA
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 2500.0Ω						
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 Source	Rechargeable 6V, 8.5Ah NiMH battery pack (included)						
Battery Life	Approximately 5000 10A tests						



FEATURES



- Measure from 1μΩ (0.1μΩ resolution) to 2500.0Ω
- Test current selection of 1mA, 10mA, 100mA, 1A and 10A
- 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 – 10A tests
- Rugged, double insulated waterproof case
- Includes RS-232 to USB 2.0 cable and AC line cord
- Includes FREE DataView® software for data storage, real-time display, analysis and report generation

ACCESSORIES (MODELS 6240 & 6250)

Kelvin clips, set of two

Catalog #1017.84 (included)

(10A – Hippo) 10 ft

Catalog #2118.70 (optional)

(10A – Hippo) 20 ft

Kelvin clips, set of two (optional)

Catalog #2118.79

(1-10A) 10 ft

Catalog #2118.80

(1-10A) 20 ft

Kelvin probes, set of two (optional)

Catalog #2118.77

(10A – spring loaded) 10 ft

Catalog #2118.78

(10A – spring loaded) 20 ft

Kelvin probes pistol grip, set of two (optional)

Catalog #2118.75

(10A – spring loaded) 10 ft

Catalog #2118.76

(10A – spring loaded) 20 ft

Kelvin probes, set of two (optional)

Catalog #2118.73

(1A – spring loaded) 10 ft

Catalog #2118.74

(1A – spring loaded) 20 ft

RTD Temperature Probe (optional for Model 6250 only)

Catalog #2129.95

RTD probe plugs into faceplate

Catalog #2129.96

RTD probe w/7 ft extension cable

CATALOG NO.

DESCRIPTION

2129.81	10A Micro-Ohmmeter Model 6250
Accessories (Optional)	
1017.84	Kelvin Clips 10 ft (10A – Hippo)
2118.70	Kelvin Clips 20 ft (10A – Hippo)
2118.73	Kelvin Probes 10 ft (1A, Spring Loaded)
2118.74	Kelvin Probes 20 ft (1A, Spring Loaded)
2118.75	Kelvin Probes Pistol Grip (10A – Spring Loaded), 10 ft
2118.76	Kelvin Probes Pistol Grip (10A – Spring Loaded), 20 ft
2118.77	Kelvin Probes (10A – Spring Loaded), 10 ft
2118.78	Kelvin Probes (10A – Spring Loaded), 20 ft
2118.79	Kelvin Clips 10 ft (1-10A) Replacement for Cat #2118.71
2118.80	Kelvin Clips 20 ft (1-10A) Replacement for Cat #2118.72
2119.45	Cable, PC RS-232, DB9 F/F 6 ft Null Modem Cable
2129.95	RTD Temperature Probe (plug into faceplate for ambient temperature)
2129.96	RTD Temperature Probe with 7 ft extension cable

