

MICRO-OHM METERS



MODEL 6240

Auto calculates resistance from $5\mu\Omega$ to 400Ω
with resolutions down to $1\mu\Omega$



SPECIFICATIONS

MODEL	6240					
Range	$4000\mu\Omega$	$40m\Omega$	$400m\Omega$	$4000m\Omega$	40Ω	400Ω
Accuracy	$\pm 0.25\%$ of Reading ± 2 cts					
Resolution	$1\mu\Omega$	$10\mu\Omega$	$0.1m\Omega$	$1m\Omega$	$10m\Omega$	$100m\Omega$
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

FEATURES

- Reliable low resistance measurements from $5\mu\Omega$ to 400Ω
- Four-terminal Kelvin resistance measurement eliminates test lead resistance
- 10A test current up to $4000\mu\Omega$
- $\pm 0.25\%$ basic accuracy
- $1\mu\Omega$ 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 retrieval, real-time display, analysis and report generation

PRODUCT INCLUDES

Extra large tool bag, set of two 10ft Kelvin clips (10A-Hippo), set of two 10ft Kelvin probes (1A - Spring Loaded), optical USB cable, US 115V power cord, two spare fuses (12.5A), NiMH rechargeable battery pack, and USB drive supplied with product user manual and DataView® software.



ACCESSORIES

KELVIN CLIPS, SET OF TWO

Catalog #1017.84 (replacement)
(10A - Hippo) 10ft
Catalog #2118.70 (optional)
(10A - Hippo) 20ft



KELVIN CLIPS, SET OF TWO

Catalog #2118.79 (optional)
(1-10A) 10ft
Catalog #2118.80 (optional)
(1-10A) 20ft



KELVIN PROBES, SET OF TWO

Catalog #2118.77 (optional)
(10A - spring loaded) 10ft
Catalog #2118.78 (optional)
(10A - spring loaded) 20ft



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

MODEL 6255

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

SPECIFICATIONS

MODEL	6255						
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						



cover closed

cover open

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 watertight case
- Includes RS-232 to USB 2.0 cable and AC line cord
- Includes FREE DataView® software for data retrieval, real-time display, analysis and report generation

PRODUCT INCLUDES



Extra large tool bag, set of two 10ft Kelvin clips (10A-Hippo), set of two 10ft Kelvin probes (1A - Spring Loaded), one RS-232 DB9 F/F 6ft null modem cable, RS-232 to USB adapter, US 115V power cord, quick reference guide, NiMH rechargeable battery pack, and USB thumb drive supplied with user manual and DataView® software.

ACCESSORIES

KELVIN PROBES PISTOL GRIP, SET OF TWO



(optional) Catalog #2118.75
(10A - spring loaded) 10ft
(optional) Catalog #2118.76
(10A - spring loaded) 20ft



KELVIN PROBES, SET OF TWO

Catalog #2118.77 (optional)
(10A - spring loaded) 10ft
Catalog #2118.78 (optional)
(10A - spring loaded) 20ft



KELVIN PROBES, SET OF TWO

(replacement) Catalog #2118.73
(1A - spring loaded) 10ft
(optional) Catalog #2118.74
(1A - spring loaded) 20ft



RTD TEMPERATURE PROBE

(optional) Catalog #2129.95
RTD probe plugs into faceplate
(optional) Catalog #2129.96
RTD probe w/7ft extension cable

CATALOG NO.	DESCRIPTION
2129.84	Micro-ohmmeter Model 6255 (10A, DataView®)
1017.84	Kelvin Clips 10ft (10A - Hippo)
2118.70	Kelvin Clips 20ft (10A - Hippo)
2118.73	Kelvin Probes 10ft (1A, Spring Loaded)
2118.74	Kelvin Probes 20ft (1A, Spring Loaded)
2118.75	Kelvin Probes Pistol Grip (10A - Spring Loaded), 10ft
2118.76	Kelvin Probes Pistol Grip (10A - Spring Loaded), 20ft
2118.77	Kelvin Probes (10A - Spring Loaded), 10ft
2118.78	Kelvin Probes (10A - Spring Loaded), 20ft
2118.79	Kelvin Clips 10ft (1-10A) Replacement for Cat #2118.71
2118.80	Kelvin Clips 20ft (1-10A) Replacement for Cat #2118.72
2119.45	Cable, PC RS-232, DB9 F/F 6ft Null Modem Cable
2129.95	RTD Temperature Probe (plug into faceplate for ambient temperature)
2129.96	RTD Temperature Probe with 7ft extension cable

MICRO-OHMMETERS

200A

MODEL 6292

Programmable test currents and test duration with data storage and report generation using included application software. Includes both sides grounded test feature



Case color may vary

SPECIFICATIONS

MODEL	6292	
ELECTRICAL		
Test Current Range	Adjustable from 5 to 200A (True DC)	
Resistance Range	0.1μΩ to 2mΩ 2 to 200mΩ 200mΩ to 1Ω	
Accuracy	±1% of reading from 50μΩ to 1Ω	
Resolution	0.1μΩ to 2mΩ 2 to 200mΩ 200mΩ to 1Ω	0.1μΩ (5 to 200A) 10μΩ (25A @ 200mΩ) 1mΩ (5A @ 1Ω)
Output Voltage	100VAC: 4.2V @ 200A 220VAC: 8.6V @ 200A	
Max. Load Resistance	100VAC: 20mΩ @ 200A 220VAC: 42mΩ @ 200A	
Measurement Method	Four-terminal, Kelvin-type	
Adjustable Test Time	5 to 120 seconds or unlimited	
Memory	Stores up to 8000 measurements	
Power Supply	100 to 240VAC, 50/60Hz	



cover closed

FEATURES

- Adjustable test currents from 5 to 200A
- Programmable test duration from 5 to 120 sec
- BSG Ground Test with optional current probe
- Accurately measures low contact resistance with test currents up to 200A
- Measures resistances from 0.1μΩ to 1Ω
- Low resolution of 0.1μΩ
- Cooling system to improve the number of sequential tests that can be performed
- Backlit display
- Measures objects with both sides grounded
- Stores up to 8000 test results
- Direct printout of measurement results using DataView® software and a PC
- Rugged and water-resistant case

ACCESSORIES

CURRENT PROBE MODEL MR6292
Catalog #2129.86 (optional)



PRODUCT INCLUDES

Accessory bag supplied with a set of two 25 ft. Kelvin clips (200A - Hippo), ground lead (green) with clamp, 5 ft. USB cable, 110V US power cord, quick start guide and USB drive with user manual and DataView® software.



Test results	R =	100.0μΩ	
Test current	It = 142A	Ig = 8.0A	Ground current
	DURATION:	015/060s	Elapsed and total test times
Date & time	02/10/13	10:25 AM	

CATALOG NO.	DESCRIPTION
2129.83	Micro-Ohmmeter Model 6292 (200A, 120/230V, DataView® software)
2129.72	Lead - Set of two 25ft Kelvin clips (200A - Hippo)
2129.73	Lead - Set of two 50ft Kelvin clips (200A - Hippo)
2129.86	AC/DC Current Probe Model MR6292
5000.40	110V US Power Cord