

2014

TEST & MEASUREMENT INSTRUMENTS

Cable Testers

Clamp-On Meters

Current Measurement Probes

Data Loggers

DC Power Supplies

Decade Boxes

Digital Multimeters

Electrical Test Tools

Environmental Testers

Ground Resistance Testers

High Voltage Testers

Leakage Current Meters and Probes

Megohmmeters

• **Micro-Ohmmeters**

Oscilloscopes

Power Quality Analyzers, Meters and Energy Loggers

Transformer Ratiometers

Other Products from the Chauvin Arnoux Group

Micro-Ohmmeters

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AEMC[®]
INSTRUMENTS

CHAUVIN ARNOUX GROUP



Our products are backed by over 100 years of experience in test and measurement equipment, and encompass the latest international standards for quality and safety.

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)					

► ACCESSORIES

Kelvin clips, set of two

Catalog #1017.84 (included)

(10A – Hippo) 10 ft

Catalog #2118.70 (optional)

(10A – Hippo) 20 ft

Kelvin probes, set of two (optional)

Catalog #2118.73

(1A – spring loaded) 10 ft

Catalog #2118.74

(1A – spring loaded) 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

USB Stick

Supplied with DataView® software and user manual



cover closed

► FEATURES

- Reliable low resistance measurements from 1μΩ 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	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), set of two, 10 ft
2118.76	Kelvin Probes Pistol Grip (10A – spring loaded), set of two, 20 ft
2118.77	Kelvin Probes (10A – spring loaded), set of two, 10 ft
2118.78	Kelvin Probes (10A – spring loaded), set of two, 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 with 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						

► ACCESSORIES

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)

Catalog #2129.95

RTD probe plugs into faceplate

Catalog #2129.96

RTD probe w/7 ft extension cable

USB Stick

Supplied with DataView® software and user manual



► FEATURES



cover closed

- 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

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), set of two, 10 ft
2118.76	Kelvin Probes Pistol Grip (10A – spring loaded), set of two, 20 ft
2118.77	Kelvin Probes (10A – spring loaded), set of two, 10 ft
2118.78	Kelvin Probes (10A – spring loaded), set of two, 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



Model 6292

Programmable test currents and test duration with data storage and report generation using included application software

► SPECIFICATIONS

MODEL	6292
ELECTRICAL	
Test Current Range	Adjustable from 20 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: 0.1μΩ (20 to 200A) 2 to 200mΩ: 10μΩ (25A @ 200mΩ) 200mΩ to 1Ω: 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



PLAY VIDEO



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



► PRODUCT INCLUDES

Set of 20 ft Kelvin test leads w/C clamp, ground lead (green) with clamp, 5 ft USB cable, 110V US power cord and 12A fuse (5x20mm)

USB Stick
Quick start user guide, and USB stick supplied with DataView® software and user manual



► ACCESSORIES

► **Current Probe Model MR6292**
Catalog #2129.86 (optional)



CATALOG NO.	DESCRIPTION
2129.83	Micro-Ohmmeter Model 6292 (200A, 120/230V, DataView® software)
Accessories (Optional)	
2129.86	Current Probe Model MR6292
2129.87	Lead – Set of 2, 50 ft., Color-coded Kelvin Leads w/C-clamp