

# MICRO-OHMMETERS

10 A



## MODEL 6255

Accurate results within 0.05 %

Provides extended test time at 10 Amps without overheating



DataView®



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## FEATURES

- Measure from 1  $\mu\Omega$  (0.1  $\mu\Omega$  resolution) to 2500.0  $\Omega$
- 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 $\Omega$                                                                                                        | 25.000 m $\Omega$                          | 250.00 m $\Omega$                           | 2500.0 m $\Omega$                           | 25.000 $\Omega$                           | 250.00 $\Omega$                            | 2500.0 $\Omega$                             |
| Accuracy         | $\pm 0.15$ % of Reading<br>+1.0 $\mu\Omega$                                                                              | $\pm 0.05$ % of Reading<br>+ 3 $\mu\Omega$ | $\pm 0.05$ % of Reading<br>+ 30 $\mu\Omega$ | $\pm 0.05$ % of Reading<br>+ 0.3 m $\Omega$ | $\pm 0.05$ % of Reading<br>+ 3 m $\Omega$ | $\pm 0.05$ % of Reading<br>+ 30 m $\Omega$ | $\pm 0.05$ % of Reading<br>+ 300 m $\Omega$ |
| Resolution       | 0.1 $\mu\Omega$                                                                                                          | 1 $\mu\Omega$                              | 10 $\mu\Omega$                              | 0.1 m $\Omega$                              | 1 m $\Omega$                              | 10 m $\Omega$                              | 100 m $\Omega$                              |
| Test Current     | 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<br>Programmable from 000.00 to 99.99                                         |                                            |                                             |                                             |                                           |                                            |                                             |
| Alarms           | Two – programmable set points from (0.0 to 2500.0) $\Omega$                                                              |                                            |                                             |                                             |                                           |                                            |                                             |
| 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 (included)                                                                   |                                            |                                             |                                             |                                           |                                            |                                             |
| 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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