

High-Accuracy, High-Stability Resistance Standards

SRL Series

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Extremely high accuracy & stability, sealed, on-site resistance standards requiring no oil or temperature bath. The SRL Series is available in a wide range of off-the-shelf and custom values and combinations.

- Very high stability
- Very low temperature coefficient
- No need for stabilization in a temperature-controlled bath

- Wide choice of values and custom values - 1 mΩ to 10 TΩ
- Combination units available
- Calibration report at 3 temperatures
 - Temperature chart and α and β provided
- Very low hysteresis
- Direct plug-in unit for most DMM's
 - Fluke, Wavetek, Agilent, and others

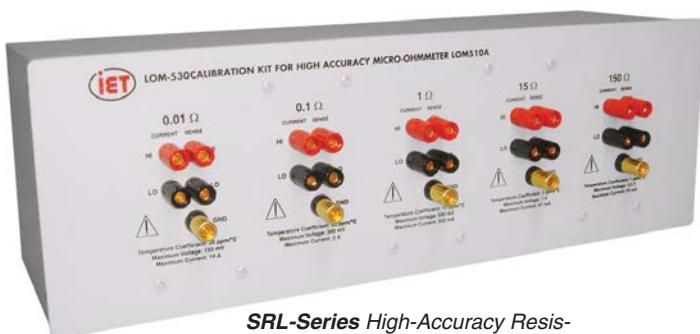


SRL-1 High-Accuracy Resistance Standard

AVAILABLE UNITS



SRL-10T High-Accuracy Resistance Standard



SRL-Series High-Accuracy Resistance Standard Combination Unit



SRL-DMM Version: Available in any value as a direct plug-in for most DMM's; this avoids external leads and noise pickup.
(Part number SRL-XXX-DMM Model, e.g. SRL-10K-8508)

SPECIFICATIONS

Retrace:

1 Ω to 19 MΩ: Permanent shift in resistance value is <2 ppm for 23°C to 0°C to 23°C cycle, and 23°C to 40°C to 23°C cycle

Calibration Report:

Initial SI traceable calibration data provided in 0.5°C increments for temperature range of 18°C to 28°C.

Operating Temperature:

Temperature range of 18°C to 28°C

Calibration Conditions:

At 23°C, low power, traceable to SI
<1 MΩ: Five-wire
1 MΩ - 20 MΩ: Three-wire
≥100 MΩ: Four-wire

Terminals:

Gold-plated, tellurium-copper, low-thermal-emf binding posts on standard 3/4 inch spacing. A GROUND terminal is provided on all units.

Dimensions:

for 1 mΩ - 1.9 mΩ: 16 cm H x 9 cm Dia (6.3" x 3.55")
all others: 8.6 cm H x 10.5 cm W x 12.7 cm D (3.4" x 4.15" x 5")

Weight:

for 1 mΩ - 1.9 mΩ: 0.9 kg (2 lbs)
all others: 0.73 kg (1.6 lb)

Other available terminals:

- DMM direct input compatibles
- bnc, Triax, and custom connectors

Transit Case:

(see page 3)



IET LABS, INC. in the **GenRad** Tradition
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SRL Catalog 5.19.14

TRANSIT CASES

Optional **Model SRC-100 or SRC-10-n** lightweight transit cases provides mechanical protection and insulation from temperature

changes during transportation or shipping. It is suitable for transporting and storing two or more units.



*SRC-100 Transit Case
for 2 units*



*SRC-10-n Transit Case
for n units (5 units shown)*



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