

Four-terminal standard resistors for low values of 0.1 Ω or less. These standards are used for accurate current measurements and for comparisons of low resistances. At the base and at the upper flange there are openings which allow air to circulate or oil to flow through when used in an oil bath.

- Calibration standard
- Reference measuring point in measurement circuit
- Reference resistor in bridge circuit
- Shunt
- Maximum 200 A current in oil



*SRR Series
Resistance Standard*

SPECIFICATIONS

Model	Nominal Value (Ω)	Adjustment to Nominal Value	Maximum Current (A)		Temperature Coefficient (ppm/ $^{\circ}$ C)	Stability typical (ppm/yr)
			Air	Oil		
SRR-.0001	0.0001	0.02%	100	200	20	25
SRR-.001	0.001	100 ppm	32	60	25	25
SRR-.01	0.01	100 ppm	10	20	5	10
SRR-.1	0.1	30 ppm	3	6	5	10

Test Conditions - 25 $^{\circ}$ C in Oil

Model	Nominal Value (Ω)	Current (A)	Power (mW)
SRR-.0001	0.0001	30	90
SRR-.001	0.001	10	100
SRR-.01	0.01	3	90
SRR-.1	0.1	1	100

Resistance Elements: 0.1 Ω , bifilar winding on cylindrical brass formers with PTFE insulation. 0.01, 0.001, and 0.0001 ohm resistance material in the form of straight rods or loops supported on 12 mm brass conductors

Terminals: Potential - Copper 4 mm
Current - Brass

Top Panel: Bakelite marked with the value, class designation and serial number

Case: Light alloy, black anodized to give maximum heat radiation

Thermometer Tube: Slotted extending the length of the resistance element

Label: Each standard is fitted with a label that describes its characteristics and operating parameters

Dimensions: 16 cm H x 9 cm Dia (6.3" x 3.55")

Weight: 0.9 kg (2 lbs)

