



Features

- High accuracy - up to 0.05%.
- Ranges from 0.1 Ω to 4111 Ω.
- Built-in cooling system - enables high power dissipation.
- Easy-to-read and comprehensive descriptions of the device.
- Functional test jacks.
- Durable and resistant design.

Description

SRM-0R1-4k1 is a high precision decade resistor designed for laboratories and institutions that require highly accurate readings. This device will meet the expectations of the most demanding customers.

Built-in resistors provide excellent **accuracy and long-term stability**. Markings and symbols on the housing of the device clearly inform the user about resistance settings. Measuring connectors allow user to connect the device with a banana plug, spade plug and bare wire terminals.

The **metal housing** efficiently protects the device against mechanical damage. It has rubber feet that stabilize device position on the test bench.

Specifications

Decade No. of the device	Nominal resistance values [Ω]	Maximum permissible measurement error	Maximum surge current (30...40 ms) [A]
1st decade	0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0	±0.001 R	45
2nd decade	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10	±0.0005 R	35
3rd decade	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100	±0.0005 R	15
4th decade	100 / 200 / 300 / 400 / 500 / 600 / 700 / 800 / 900 / 1000	±0.0005 R	2
5th decade	1000 / 2000 / 3000	±0.0005 R	0.3

Other technical specifications

Initial resistance	≤(0.025 ± 0.0025) Ω
Maximum operating voltage	450 V
Insulation resistance	>100 MΩ
Measurement cycle time T _{meas}	≤30...40 ms
Cooling time (pause) T _{paus}	≥20 s U _{meas} ≤ 230 V ≥25 s U _{meas} ≤ 450 V

Work conditions

Operating temperature	10...30°C 50...86°F
Storage temperature	-20...+60°C -4...140°F
Humidity	25...60%
Dimensions	500 x 340 x 170 mm 19.7" x 13.4" x 6.7"
Weight	ca. 12 kg 26.5 lbs

Standard accessories



User manual