



SRM-3



SRM-6



SRM-9

## Features

- High accuracy, up to 0.05%.
- Ranges from 0.1 Ω to 111 111 111 MΩ.
- Easy-to-read and comprehensive graphical description of the instrument.
- Functional test jacks.
- Durable and resistant design.
- Available in variants with 3, 6 and 9 sections.

## Description

SRM series resistance decade boxes have been developed with laboratories and institutions requiring the most accurate readings in mind. High-precision decade boxes meet the expectations of even the most demanding customers. Applied resistors are characterized by **excellent accuracy and long-term stability**.

Descriptions on the housing clearly inform the user of the set resistance value. Test jacks make it possible to connect the instrument by means of a banana plug, spade plug and insulated lead terminations.

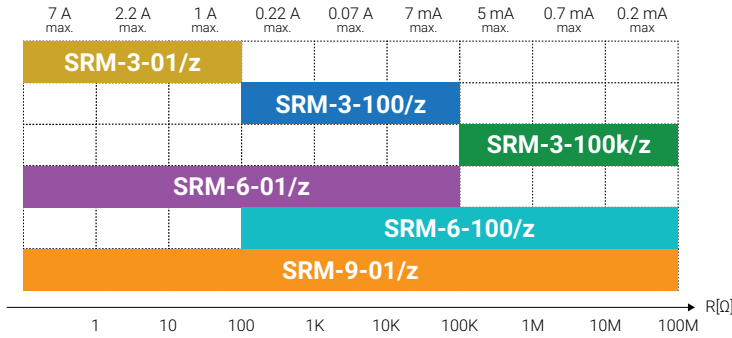
A **metal housing** effectively protects the instrument against mechanical damage. The housing has rubber legs that stabilize the instrument's position on the measurement table. The resistance decade box also includes the instruction manual and calibration certificate.

# Specifications

Model	Index	Number of decades	Range	Accuracy class
<b>SRM-3</b>				
SRM-3-01				
SRM-3-01/1	WMGBSRM3011	3	0.1 Ω...111 Ω	1
SRM-3-01/2	WMGBSRM3012	3	0.1 Ω...111 Ω	2
SRM-3-01/3	WMGBSRM3013	3	0.1 Ω...111 Ω	3
SRM-3-100				
SRM-3-100/1	WMGBSRM31001	3	100 Ω...111 kΩ	1
SRM-3-100/2	WMGBSRM31002	3	100 Ω...111 kΩ	2
SRM-3-100/3	WMGBSRM31003	3	100 Ω...111 kΩ	3
SRM-3-100k				
SRM-3-100k/1	WMGBSRM3100K1	3	100 kΩ...111 MΩ	1
SRM-3-100k/2	WMGBSRM3100K2	3	100 kΩ...111 MΩ	2
SRM-3-100k/3	WMGBSRM3100K3	3	100 kΩ...111 MΩ	3
<b>SRM-6</b>				
SRM-6-01				
SRM-6-01/1	WMGBSRM6011	6	0.1 Ω...111 111 kΩ	1
SRM-6-01/2	WMGBSRM6012	6	0.1 Ω...111 111 kΩ	2
SRM-6-01/3	WMGBSRM6013	6	0.1 Ω...111 111 kΩ	3
SRM-6-100				
SRM-6-100/1	WMGBSRM61001	6	100 Ω...111 111 MΩ	1
SRM-6-100/2	WMGBSRM61002	6	100 Ω...111 111 MΩ	2
SRM-6-100/3	WMGBSRM61003	6	100 Ω...111 111 MΩ	3
<b>SRM-9</b>				
SRM-9-01/1	WMGBSRM9011	9	0.1 Ω...111 111 111 MΩ	1
SRM-9-01/2	WMGBSRM9012	9	0.1 Ω...111 111 111 MΩ	2
SRM-9-01/3	WMGBSRM9013	9	0.1 Ω...111 111 111 MΩ	3

# Specifications

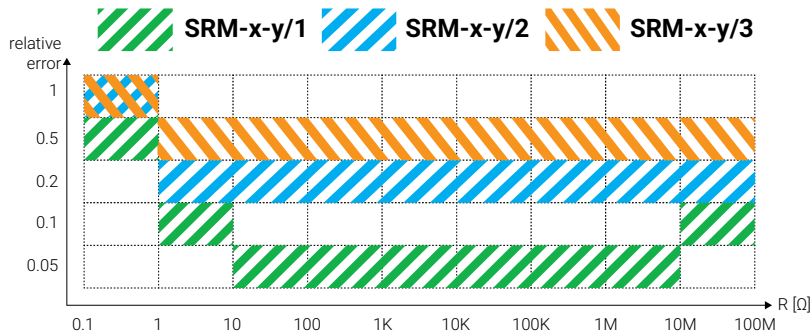
## Comparison of simulated resistance and maximum acceptable current ranges



### SRM-x-y/z

- x** - number of decades (3, 6 or 9)
- y** - minimum resistance range:
  - 01** - (0.1 Ω; 3, 6, 9 decades)
  - 100** - (100 Ω; 3, 6 decades)
  - 100k** - (100 kΩ; 3 decades)
- z** - accuracy class:
  - 1** - high (0.05%)
  - 2** - medium (0.2%)
  - 3** - low (0.5%)

## Comparison of relative errors according to measuring ranges of SRM resistance decades



### SRM-x-y/z

- x** - number of decades (3, 6 or 9)
- y** - minimum resistance range:
  - 01** - (0.1 Ω; 3, 6, 9 decades)
  - 100** - (100 Ω; 3, 6 decades)
  - 100k** - (100 kΩ; 3 decades)
- z** - accuracy class:
  - 1** - high (0.05%)
  - 2** - medium (0.2%)
  - 3** - low (0.5%)

## Other technical specifications

<b>Initial resistance</b>	$\leq(0.025 \pm 0.0025) \Omega$
<b>Maximum operating voltage</b>	2000 V
<b>Insulation resistance</b>	>10 GΩ
<b>Work conditions</b>	
<b>Operating temperature</b>	10...35°C   50...95°F
<b>Storage temperature</b>	-20...+60°C   -4...140°F
<b>Humidity</b>	25...80%
<b>Dimensions</b>	
SRM-3	215 x 147 x 160 mm   8.5" x 5.8" x 6.3"
SRM-6	540 x 147 x 160 mm   21.2" x 5.8" x 6.3"
SRM-9	472 x 260 x 160 mm   18.6" x 10.2" x 6.3"
<b>Weight</b>	
SRM-3	ca. 3 kg   6.6 lbs
SRM-6	ca. 6 kg   13.2 lbs
SRM-9	ca. 9 kg   19.8 lbs

# Standard accessories



User manual