

RM8

Wide range, compact and versatile 8 decade resistance box with pole switching

The model RM8 decade resistance box is designed to complement our range of resistance boxes, offering a very wide range 0.01Ω to 1 MΩ in a compact and versatile unit. The low decade steps of 0.01Ω enable very high resolution when simulating resistance values and the power rating is 1.0W per coil. The RM8 uses double pole switching to minimize the effects of contact resistance. The lower value decades (0.01 and 0.1Ω) are manufactured from Manganin resistance wire and the other decades from selected metal film resistors. This offers good stability combined with excellent load and temperature coefficients. Housed in a hardwood case with metal panel the size is only 254 x 145 x 80mm and the connections are with 4mm binding posts that will accept spade or banana plugs.

Key Features

- 8 decades
- Wide range 0.01Ω to 1MΩ
- Accuracy 0.1%
- Exceptional value for money
- Compact size
- Power rating 1W/resistor

Ideal For

- Engineering departments
- Laboratories/workshops
- Service/calibration departments
- Calibration houses

Technical Specifications

Decade	Accuracy	Maximum Current
10 x 100kΩ	± 0.1%	3mA
10 x 10kΩ	± 0.1%	10mA
10 x 1kΩ	± 0.1%	30mA
10 x 100Ω	± 0.1%	100mA
10 x 10Ω	± 0.5%	300mA
10 x 1Ω	± 1%	1000mA
10 x 0.1Ω	± 5%	1000mA
10 x 0.01Ω	± 10%	1000mA

Terminals

2 binding posts will accept 4mm banana plugs and spade tags.
1 terminal for connection to panel/earth

Maximum Continuous Working Voltage
60VDC, 30Vrms

Resistors

Power Rating: 1W per resistor
Lower decades (0.01 & 0.1Ω) Manganin wire wound, other decades metal film
Temperature coefficient: <10ppm/°C

Switches

Rotary 2 poles in parallel, contacts silver plated brass with positive click mechanism. Insulation >50,000MΩ

Residual Resistance
< 0.1Ω

General Specifications

Dimensions

254 x 145 x 80mm / 10 x 5.7 x 3.1"
(w x h x d) approx

Mass

0.95kg / 2lbs

Services

1 year warranty (subject to product registration with Seaward) Visit www.seaward.co.uk/register-product

Service and calibration by Calibrationhouse.

Go to www.calibrationhouse.com for more information.

Part Number
930144



www.seaward.co.uk/RM8

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