

RBC

High accuracy decade boxes with versatile wide ohm range

The RBC Series is a robust range of high dissipation resistance decades available in 5 or 6 decade versions and suitable for applications where reasonably precise and stable adjustable loads are required.

Constructed using the same high quality components as our other resistance decades and housed in a light alloy ventilated case, the RBC Series will withstand the most arduous use and give many years service. All parts are fully serviceable and can be repaired in our workshop should the more enthusiastic user damage the units with high overloads.

Technical Specifications

RBC5		RBC6	Decade	Accuracy	Current Max mA
A	B	A			
✓		✓	10 x 0.1Ω	5%	7000
✓	✓	✓	10 x 1Ω	5%	2200
✓	✓	✓	10 x 10Ω	5%	700
✓	✓	✓	10 x 100Ω	5%	220
✓	✓	✓	10 x 1kΩ	5%	70
	✓	✓	10 x 10kΩ	5%	22

Calibration

Calibration certificates including UKAS traceable are available on request

Switches

Contact material gold plated brass
Contact resistance <5mΩ
Insulation resistance (all paths)>10GΩ

Resistors

Temperature Co-efficient

0.1Ω: <10ppm/°C
1Ω, 10Ω: <400ppm/°C
100Ω, 1KΩ, 10KΩ: <200ppm/°C

Full Load Stability

<5%, 70°C, 1000 hours

No Load Stability

<1%, 20°C, 1 year

Temperature range

0°C to + 70°C

Power Rating

5W per resistor

Maximum Working Voltage

70VDC/33Vrms

Key Features

- 5 and 6 decades available
- High dissipation
- Max power 5W per coil
- Accuracy 5%
- 0.1Ω to 111,111Ω
- Fully serviceable
- Special model for insulation simulation

Ideal For

- Engineering departments
- Laboratories/workshops
- Calibration houses

General Specifications

Dimensions

5 Dial Box - 390 x 105 x 130mm /
15 x 4.1 x 5.1" (w x h x d) approx
6 Dial Box - 450 x 105 x 130mm /
18 x 4.1 x 5.1" (w x h x d) approx

Mass

5 Dial Box - 3.0kg / 7lbs
6 Dial Box - 3.5kg / 8lbs

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 Numbers

RBC5-A	930109
RBC5-B	930149
RBC6-A	930143



www.seaward.co.uk/RBC

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