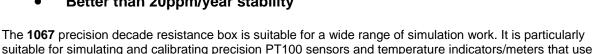


resistive sensors.

## 1067 Precision Decade Resistance Box



- Precision PT100 Simulation
- 0.01% Accuracy
- $10m\Omega 12k\Omega$
- **6 Digit Resolution**
- Better than 20ppm/year stability



Special care has been taken in the construction of the 1067 to ensure that the residual end resistance is as low and as stable as possible. Multiple self-wiping silver alloy contacts are used for each position to ensure outstanding performance and long life.

Housed in a robust metal case the 1067 is fully screened and low thermal emf terminals are used. The switch dials have clear markings and in an easy to read in-line format. Each decade is scaled from 0 to 11 and therefore allows convenient overlap of the set values. The maximum value settable is 12,222.21 ohms.

## **1067 Technical Specifications**

Resistance range:  $10m\Omega$  to  $12k\Omega$ 

Number of decades: 6, each decade settable from 0 - 11

Increments:  $10m\Omega$  steps

Accuracy: At calibration temperature of 22 °C. +/- 0.01% of setting +/-  $2m\Omega$ , after

deduction of residual end resistance +/-  $1m\Omega$  for residual variation.

**Current rating:**  $10m\Omega$  range: 3A,  $100m\Omega$  range: 2A,  $1\Omega$  range: 600mA

 $10\Omega$  range: 200mA,  $100\Omega$  range: 60mA,  $1\text{k}\Omega$  range: 20mA

Residual end resistance: Less than  $10m\Omega$ . Less than  $1m\Omega$  variation

Temperature coefficient: Less than 10 ppm per °C (>  $1\Omega$ ). Less than 20 ppm per °C (<  $1\Omega$ )

Maximum voltage: 200V at maximum resistance setting

Insulation: Case to resistance terminals 2kV / 50Hz max

Operating torque: Less than 0.1 Nm

Stability: Better than 20 ppm per year (>1 $\Omega$ ) Better than 100 ppm per year (<1 $\Omega$ )

Contacts: Make before break - Silver alloy

## **General Specification**

**Dimensions:** 3.5 x 2.5 x 14" (87 x 63 x 355mm)

Weight: 2.4lbs (1.1kg)

Supplied with: 2 year warranty, test leads, and factory certificate **Optional Extras: UKAS/NIST Traceable Calibration Certificate** 

## **Ordering Information**

Code	Description
1067	Precision Decade Resistance Box
9114	UKAS/NIST Traceable Calibration Certificate

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