

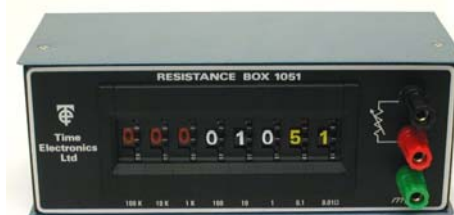


# 1051 Low Ohm Resistance Box

Time Electronics

Calibration, Test & Measurement

- 0.01  $\Omega$  – 1 M $\Omega$
- High accuracy
- Clear visual indication
- High stability and low temperature coefficient
- Ideal for Platinum Resistance Thermometer simulation



The **1051** is a wide range low ohms resistance box designed for general laboratory work including platinum resistance thermometry.

### Switch Contacts

Special attention has been given to the reliability of operation. A special multiple gold contact arrangement ensures low contact resistance and continued operation even if a contact fails.

To enhance reading the setting, the 1051 has colour coded digits as shown in the above image; Kohms (red), ohms (white), and 0.1 ohms (yellow).

### 1051 Technical Specifications

**Range:** 0.01 $\Omega$  to 1M $\Omega$  in 0.01 $\Omega$  steps

Decade ( $\Omega$ )	0.01	0.1	1	10	100	1k	10k	100k
Acc. %	$\pm 10$	$\pm 5$	$\pm 1$	$\pm 0.5$	$\pm 0.1$	$\pm 0.1$	$\pm 0.1$	$\pm 0.1$
Max Current (A)	1	1	1	0.3	0.1	33m	10m	3m

**Zero Residual Resistance:** Less than 90m $\Omega$

**Residual Resistance Stability:** Less than 3 m $\Omega$

**Maximum Voltage:** 250V DC

**Power Rating:** 1 watt per resistor

**Temperature Coefficient:** < 100 ppm per  $^{\circ}\text{C}$

### General Specification

**Dimensions:** 110 x 75 x 200 mm

**Weight:** 0.6kg

**Optional Extras:** Carry Case  
Calibration Certificates – traceable to N.P.L. and UKAS

### Ordering Information

Code	Description
1051	Low Ohm Resistance Box
9026	Carrying Case
9161	N.P.L. Traceable Calibration Certificate
9114	UKAS Calibration Certificate

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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