



1051 Low Ohm Resistance Box

- 0.01Ω to 1MΩ
- High accuracy, low temperature coefficient
- Clear visual indication with colour coded digits
- Ideal for Platinum Resistance Thermometer simulation



Introduction

The 1051 has been developed to meet the need for a wide range low ohms resistance box for general laboratory work and applications in platinum resistance thermometry.

Switch Contacts

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

To prevent misreading or setting, the 1051 has colour coded digits, dividing the settings into mOhms, Ohms, and kOhms.

Specification

Resistance Range:	0.01Ω to 1MΩ in 0.01Ω steps							
RANGE	0.01 Ω	0.1Ω	1Ω	10Ω	100Ω	1kΩ	10kΩ	100kΩ
ACCURACY ±	10%	5%	1%	0.5%	0.1%	0.1%	0.1%	0.1%
MAX CURRENT	1A	1A	1A	0.3A	0.1A	33mA	10mA	3mA
Zero Residual Resistance :	less than 90mΩ							
Residual Resistance Stability:	less than 3 mΩ							
Maximum Voltage:	250V DC							
Power Rating:	1 watt per resistor							
Temperature Coefficient:	100 ppm per °C							
Dimensions:	110 x 75 x 200 mm							
Weight:	0.6 kg							
Optional Extras:	Carrying Case for field/industrial applications. Calibration Certificate traceable to N.P.L./ UKAS							

Ordering Information

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



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