



# Time Electronics

## 1041 Resistance Decade Box



- 0.01Ω to 1kΩ
- High accuracy
- Clear visual indication
- High stability
- Low temperature coefficient
- Safety terminals
- Removable protective cover
- Suitable for PRT/RTD

### DESCRIPTION

A precision low ohm resistance box designed for general laboratory work including platinum resistance thermometry. The 1041 is compact and durable, housed in a robust metal case with removable protective rubber cover, making it ideal for use in either the laboratory or field. Excellent accuracy is achieved by using high stability metal film resistors. The 5-digit thumbwheel switch enables simple and precise setting with a clear indication of the resistance value.

**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.

**Clear Visual Indication:** To make selecting and reading the setting easy the 1041 incorporates colour coded digits: ohms - white, milliohms - yellow.

**Safety Terminals:** Compatible with 4mm shrouded plugs, as well as standard plugs, bare wires, and spade terminals.

**Added Protection:** The 1041 comes fitted with an ergonomic rubber cover providing increased protection and durability. It has a textured grip for comfortable handling and side openings to place labels. It is easy to remove if the user prefers a stand-alone unit or to house the 1041 in the optional 9026 carry case.

### SPECIFICATIONS

Range / Resolution ..... 0 to 1kΩ / 0.01Ω steps

Decade	0.01Ω	0.1Ω	1Ω	10Ω	100Ω
Accuracy	± 10%	± 5%	± 1%	± 0.5%	± 0.1%
Max Current	1A	1A	1A	0.3A	0.1A

Residual Resistance ..... Less than 60mΩ  
 Power Rating ..... 1 watt per resistor  
 Voltage Rating ..... Maximum 100V DC/AC RMS  
 Temperature Coefficient ..... 50ppm/°C  
 Dimensions / Weight ..... W215 x H100 x D120mm / 1kg (including protective cover)

### ORDERING INFORMATION

1041 ..... **Low Ohm Resistance Decade Box**  
 9026 ..... Leatherette Carry Case  
 C161 ..... Factory Calibration Certificate (NPL)  
 C114 ..... UKAS Calibration Certificate (ISO 17025)

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

Time Electronics Ltd, Unit 11 Sovereign Way, Botany Industrial Estate, Tonbridge, Kent, TN9 1RH. United Kingdom.

T: +44 (0) 1732 355993 F: +44 (0) 1732 770312 E: mail@timeelectronics.co.uk

[www.timeelectronics.com](http://www.timeelectronics.com)

v1c 22/3/11