



# Time Electronics

## 1040 Resistance Decade Box



- 1Ω to 100MΩ
- High accuracy
- Clear visual indication
- High stability
- Low temperature coefficient
- Safety terminals
- Removable protective cover
- Suitable for industry or education

### DESCRIPTION

A precision wide range resistance decade box designed to meet the requirements of both industry and education. The 1040 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 (mid-scale 0.1%) is achieved by using high stability metal film resistors. The 8-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 1040 incorporates colour coded digits: megohms - red, kilohms - yellow, ohms - white.

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

**Added Protection:** The 1040 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 1040 in the optional 9026 carry case.

### SPECIFICATIONS

Range / Resolution ..... 0 to 100MΩ / 1Ω steps

Decade	1Ω	10Ω	100Ω	1kΩ	10kΩ	100kΩ	1MΩ	10MΩ
Accuracy	± 1%	± 0.5%	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 0.1%	± 1%
Max Current	0.5A	0.3A	100mA	30mA	3mA	0.3mA	30μA	3μA

Residual Resistance ..... Less than 250mΩ  
 Power Rating ..... 1 watt per resistor  
 Voltage Rating ..... Maximum 250V DC/AC RMS  
 Temperature Coefficient ..... 50ppm/°C  
 Dimensions / Weight ..... W215 x H100 x D120mm / 1kg (including protective cover)

### ORDERING INFORMATION

1040 ..... **Wide Range 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.

Contact:  
 Industrial Process Measurement, Inc.  
 3910 Park Avenue, Unit 7  
 Edison, NJ 08820  
 732-632-6400  
 support@instrumentation2000.com  
 http://www.instrumentation2000.com