



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.