



Description

A power resistance decade box designed to meet the standard for industrial use and technical education purposes. Housed in a robust ventilated case, the 1065 can withstand arduous use whilst maintaining accuracy and reliability. The slimline design means it takes up minimum bench space and is easily transportable. The high dissipation of 10 watts make the 1065 suitable for power electronics applications. The 500 V maximum working voltage is ideal for select-on-test use in high voltage circuits.

Resistance is selected by dialling the value required using the 6 large rotary switches. This enables precise setting with a clear unambiguous indication. Switch contact resistance has been kept to a minimum by the use of multi-wafer switches, each with four parallel, silver-plated, self-cleaning contacts.

The 1065 features safety terminals that are compatible with 4 mm shrouded plugs, standard plugs, bare wires, and spade terminals. These terminals are specifically designed with safety features including limited opening distance and a raised flange around the metal connection surface. This ensures that the clearances are sufficient to make the exposed metal parts touch-proof.

Specifications

Range / Resolution.....	0 to 120 kΩ / 0.1 Ω steps.
Number of Decades	6.
Accuracy	0.1 Ω decade, ± 5 % 1 Ω to 120 kΩ decades, ± 1 %.
Residual Resistance.....	Less than 20 mΩ.
Power Rating.....	10 W total for any setting.
Voltage Rating.....	Maximum 500 V DC, 353.55 V AC RMS.
Temperature Coefficient	200 ppm/°C.
Dimensions	W 390 x H 80 x D 150 mm.
Weight.....	2 kg.

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

Features

- 0.1 Ω to 120 kΩ
- 1 % accuracy
- 10 W total dissipation for any setting
- 500 V maximum working voltage
- In-line readout
- Mechanically and electrically robust
- Fully screened
- Safety terminals
- For resistance substitution in high voltage circuits
- Suitable for testing and checking meters



Ordering Information

1065.....	Power Resistance Decade Box
C161.....	Traceable calibration certificate (Factory)
C114.....	Accredited calibration certificate (ISO 17025)