Time Electronics
1071 Capacitance Decade Box



Description

High accuracy and wide range makes the 1071 capacitance decade box suitable for applications in industry and education. It is both compact and robust, housed in a metal case that provides complete screening, with a protective rubber cover to guard the unit against everyday wear and tear. The 7-digit thumbwheel switch enables simple and precise setting of the capacitance value.

Clear Visual Indication: To make selecting and reading the setting easy the 1071 incorporates colour coded digits: μF - red, nF - white, pF - yellow.

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

Added Protection: The 1071 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 1071 in the optional 9026 carry case.

Features

- 10 pF to 100 μF
- 1 % accuracy
- Clear visual indication
- Bi-polar working
- 50 pF residual capacitance
- Safety terminals
- Removable protective cover
- Suitable for industry or education

Specifications

Range / Resolution.....0 to 100 μF / 10 pF steps (9 steps per decade).

Decade	10 pF	100 pF	1 nF	10 nF	100 nF	1 μF	10 μF
Accuracy @ 1 kHz	1 % ± 5 pF	1 % ± 5 pF	1 % ± 5 pF	1 %	1 %	1 %	5 %
Capacitor type	Silver mica	Silver mica	Silver mica	Silver mica	Polycarbonate	Polycarbonate	Polyester
Max voltage	300 V DC 200 V AC	300 V DC 200 V AC	300 V DC 200 V AC	100 V DC 72 V AC	100 V DC 72 V AC	100 V DC 115 V AC	63 V DC 50 V AC
Max temp coefficient	200 ppm/°C	200 ppm/°C	50 ppm/°C	50 ppm/°C	75 ppm/°C	75 ppm/°C	300 ppm/°C
Power factor @ 1 kHz	< 0.0025	< 0.0015	< 0.002	< 0.01	< 0.01	< 0.01	< 0.01
Insulation resistance	> 50 GΩ	> 50 GΩ	50 GΩ	> 30 GΩ	> 30 GΩ	> 30 GΩ	> 30 GΩ

Residual capacitance.....Approximately 55 pF.

Dimensions / Weight.....W 215 x H 100 x D 120 mm / 1 kg.

Ordering Information

1071..... Capacitance Decade Box

9026..... Carry case

C161.....Traceable calibration certificate (Factory)

C114.....Accredited calibration certificate (ISO 17025)

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

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