Time Electronics

1071 Capacitance Decade Box



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

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 1070 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 4mm 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.

SPECIFICATIONS

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

Decade	10pF	100pF	1nF	10nF	100nF	1µF	10µF
Accuracy @ 1kHz	1% ± 5pF	1% ± 5pF	1% ± 5pF	1%	1%	1%	5%
Capacitor Type	Silver mica	Silver mica	Silver mica	Silver mica	Polycarbonate	Polycarbonate	Polyester
Max Voltage	300V DC 200V AC	300V DC 200V AC	300V DC 200V AC	100V DC 72V AC	100V DC 72V AC	100V DC 115V AC	63V DC 50V AC
Max Temp Coefficient	200ppm/°C	200ppm/°C	50ppm/°C	50ppm/°C	75ppm/°C	75ppm/°C	300ppm/°C
Power Factor @ 1kHz	< 0.0025	< 0.0015	< 0.002	< 0.01	< 0.01	< 0.01	< 0.01
Insulation Resistance	> 50GΩ	> 50GΩ	> 50GΩ	> 30GΩ	> 30GΩ	> 30GΩ	> 30GΩ

Residual Capacitance ..... Approximately 55pF

Dimensions / Weight ..... W215 x H100 x D120mm / 1kg (including protective cover)

ORDERING INFORMATION

1071 ..... **Capacitance 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

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