



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

Available from



CALTEST
Instruments Ltd
Specialists in power
and instrumentation

Power sources and test instrumentation solutions

Caltest have been providing power sources and test instrumentation solutions for over 20 years and are proud to represent a number of industry leading manufacturers.

As well as supplying world class power sources and test instrumentation Caltest also has a service centre and UKAS calibration laboratory.

NEED HELP?

CALL US:

01483 302 700

or visit our website for more details

Caltest Instruments Ltd
4 Riverside Business Centre
Walnut Tree Close
Guildford
Surrey GU1 4UG
United Kingdom

Tel: +44 (0) 1483 302 700

Fax: +44 (0) 1483 300 562

sales@caltest.co.uk

www.caltest.co.uk

Sales • Rentals • Service • UKAS Calibration

