



Time Electronics

1070 Capacitance Decade Box



- 100pF to 10μF
- 1% accuracy
- Clear visual indication
- Bi-polar working
- 40pF residual capacitance
- Safety terminals
- Removable protective cover
- Suitable for industry or education

DESCRIPTION

High accuracy and wide range makes the 1070 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 5-digit thumbwheel switch enables simple and precise setting of the capacitance value.

Clear Visual Indication: To make selecting and reading the setting easy the 1070 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 1070 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 1070 in the optional 9026 carry case.

SPECIFICATIONS

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

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

Residual Capacitance Approximately 40pF

Dimensions / Weight W215 x H100 x D120mm / 0.8kg (including protective cover)

ORDERING INFORMATION

1070 **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.

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