



1070 Decade Capacitance Box Model 9000

- 100pF to 10µF
- 1% Accuracy
- Compact and Robust
- Multicolour setting indication
- High accuracy and precision



Introduction

The 9000 is a convenient, portable decade capacitance box, housed in a robust metal case and designed for industrial, laboratory and education requirements.

The unit incorporates a colour coding system which divides the setting into three groups –

µF = Red nF = White pF = Yellow

The high accuracy obtained in the 9000 is achieved by the use of accurate, stable capacitors. A thumbwheel switch provides precision selection of output capacitance.

A multiple gold contact switch arrangement ensures that should a contact fail, there is always a back-up contact available.

A carrying case is available as an optional extra, and protects the 1070 when in field or industrial applications.

Specification

| | |
|-------------------------------------|--|
| Capacitance Range: | 100 pF to 10 µF in 100 pF steps |
| Accuracy: | ± 1%, ± 5 pF, measured at 1 kHz |
| Residual Capacitance: | 38 pF ± 5 pF, 2 terminal measurement |
| Maximum Operation Voltage: | 63 V AC (50 Hz, RMS). 100 V DC |
| Power Factor: | better than 0.007 (at 1 kHz) |
| Operating Temperature Range: | -10°C to + 50°C |
| Stability: | 1% per year maximum |
| Dimensions: | 110 x 75 x 200 mm |
| Weight: | 0.64 kg |
| Optional Extras: | Carrying Case Calibration Certificate |

Ordering Information

| Description | Order code |
|--|-------------|
| Decade Capacitance Box 9000 | 1070 |
| Carrying Case | 9026 |
| N.P.L. Traceable Calibration Certificate | 9161 |
| UKAS Calibration Certificate | 9114 |



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