



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: $\pm 1\%$, ± 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 $+50^{\circ}\text{C}$
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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