



1071 Decade Capacitance Box

Time Electronics
Calibration, Test & Measurement

- 10 pF to 100 µF
- 1% Accuracy
- In-line read-out
- Colour coded digits
- Bi-polar working
- Compact



High accuracy and wide range makes the **1071** a very useful capacitance box for many applications in industry and education.

Connection is by 4mm binding posts and a third terminal to enable the case to be earthed or connected to either output or earth. The case is metal construction to provide complete screening and the residual capacitance is approximately 55pF.

| 1071 Technical Specifications | | | | | | |
|-------------------------------|---|-----------------|-----------------|-----------------------|---------------------|-----------------------|
| RANGE | TYPE | ACCURACY @ 1kHz | MAX VOLTAGE | TEMP COEFF ppm/°C max | POWER FACTOR @ 1kHz | INSULATION RESISTANCE |
| 9 x 10pF | Silver mica | 1% ± 5pF | 300V dc 200V ac | 200 | < 0.0025 | > 50G ohms |
| 9 x 100pF | Silver mica | 1% ± 5pF | 300V dc 200V ac | 200 | < 0.0015 | > 50G ohms |
| 9 x 1nF | Silver mica | 1% ±5pF | 300V dc 200V ac | 50 | < 0.002 | > 50G ohms |
| 9 x 10nF | Silver mica | 1% | 100V dc 72V ac | 50 | < 0.01 | > 30G ohms |
| 9 x 100nF | Polycarbonate | 1% | 100V dc 72V ac | 75 | < 0.01 | > 30G ohms |
| 9 x 1µF | Polycarbonate | 1% | 100V dc 115V ac | 75 | < 0.01 | > 30G ohms |
| 9 x 10µF | Polyester | 5% | 63V dc 50V ac | 300 | < 0.01 | > 30G ohms |
| General Specification | | | | | | |
| Dimensions: | 110 x 75 x 200 mm | | | | | |
| Weight: | 0.6kg | | | | | |
| Optional Extras: | Carry Case Calibration Certificates – traceable to N.P.L. and UKAS | | | | | |
| Ordering Information | | | | | | |
| Code | Description | | | | | |
| 1071 | Decade Capacitance Box | | | | | |
| 9026 | Carrying Case | | | | | |
| 9161 | N.P.L. Traceable Calibration Certificate | | | | | |
| 9114 | UKAS Calibration Certificate | | | | | |

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.

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