

Decade Capacitance Box

Features

- Capacitance range from 1nF to 111.111uF
- High accuracy
- Excellent stability
- Outputs through 4mm safety BTI terminals
- Setting by Rotary switch



The Decade Capacitance Box is designed to calibrate capacitance meters and the capacitance range of LCR meters. The selection of Decade switches has been done with the best contacts and less residual capacitance. Capacitors are highly stable and have minimum tolerances.

Technical Specifications

Model	ZMDCB
Decades	1nF, 10nF, 100nF, 1uF, 10uF
Total Capacitance Range	1nF to 111.111uF
Number of Decades Switches	05
Zero Capacitance	< 20 pF for 1 Year, After 1 Year add 2 pF per year, Maximum Zero Capacitance: 20pF
Accuracy	$\pm 1.0\%$ @ 1kHz for all decades @ $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$, RH: 30 to 75%
Operating Temperature	10°C to 40°C
Storage Temperature	5°C to 70°C
Drift due to ageing	100 PPM / year
Temperature drift	0.01% / $^{\circ}\text{C}$
Short Term Stability set value	300 PPM
Dimension	360mm(W) X 100mm(D) X 80mm(H)
Weight	2kg Approx

Dimensional Details Drawing

