

Megohm Decade Box Insulation Simulator 100kΩ to 1000MΩ

The RBB4-G is a 4 dial high resistance decade box especially constructed for the simulation of high resistances and the calibration of insulation test sets. The maximum selectable value is 1000 Megohms in steps of 100 kΩ. The top 2 decades will withstand up to 1000 volts dc. Each unit is supplied complete with a calibration certificate with test figures for each decade position.

Decade	Nominal Accuracy	Accuracy of Certified Value @ 20°C	Maximum Volts d.c.	Max Power	Temperature Co-efficient
10 x 100 MΩ	±5%	±0.5%	1,000	0.4W	100 ppm/°C
10 x 10 MΩ	±5%	±0.25%	1,000	0.4W	100 ppm/°C
10 x 1 MΩ	±2%	±0.1%	750	0.5W	100 ppm/°C
10 x 0.1 MΩ	±2%	±0.1%	250	0.5W	100 ppm/°C

CONSTRUCTION

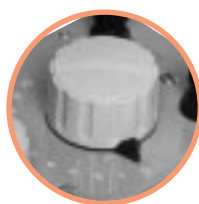
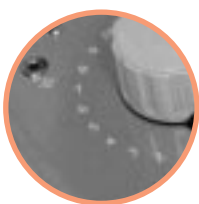
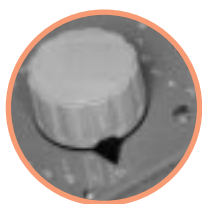
The switches and coils are mounted on a bakelite sub-panel and protected by a grey painted metal cover panel.

Switches: CROPICO type SP1 incorporating 8 mm diameter stud contacts and a self-cleaning multi-leaf phosphore bronze brush. Contact resistance is less than 140 microhms per decade.

Terminals: insulated will accept spade tags or 4 mm banana plugs.

Calibration: Temperature 20 deg. Centigrade.

Test Voltage: 2kV dc between terminals and top panel.



4 Decades

Maximum Reading
1000 MΩ

Resolution
100 KΩ

Suitable for
Calibrating
Insulation
Test Sets

Uses
Cropico SP1
Switch

Fully
Serviceable