

RESISTOR CALIBRATION BOX

The RCB is also used to verify and proof any High Voltage Insulation Tester. It can be utilized to calibrate all High Voltage Insulation Testers very accurately : Analogs or Digitals.

Some institutions and large industries requested their own calibrator too, therefore, SEW started manufacturing the RCB for special customers.

Type	RCB-1	RCB-3	RCB-3-1T
Resistance Range(Ω)	1M.2M.7M.10M.20M .30M.50M.100M. 200M.500M.1G.2G. 5G.10G.20G.50G. 100G.200G.500G	1M.10M.100M. 1G.10G.100G. 500G	1M.10M.100M. 1G.10G.100G. 1T
Resistance Tolerances	$\pm 1\%$ (F)		
Temperature Coefficient	$\pm 25\text{ppm}/^\circ\text{C}$: 1M.2M.7M.10M.20M. 30M.50M.100M $\pm 50\text{ppm}/^\circ\text{C}$: 200M.500M $\pm 100\text{ppm}/^\circ\text{C}$: 1G.2G.5G $\pm 200\text{ppm}/^\circ\text{C}$: 10G.20G.50G.100G $\pm 400\text{ppm}/^\circ\text{C}$: 200G.500G $\pm 1000\text{ppm}/^\circ\text{C}$: 1T		
Max. Working Voltage	DC 10KV		
Operating Temperature	$-30^\circ\text{C} \sim 75^\circ\text{C}$		
Power Consumption	Below 3W		
Connecting Terminals	Binding Post : Resistance circuit and guard		
Box Material	Aluminium		
Dimensions	450(L) x 330(W) x 180(D)mm	360(L) x 200(W) x 150(D)mm	
Weight	Approx. 5kg	Approx. 2.25kg	



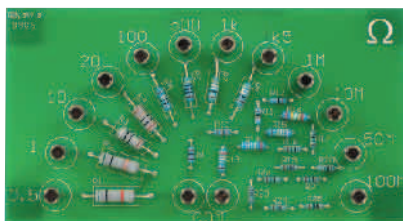
RCB-1



RCB-3



RCB-3-1T



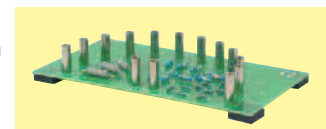
ITC 6



ITC 8

TYPICAL USES

Checking ohm ranges of multimeters.
 Checking Low ohm range on insulation testers.
 Checking Insulation Mega Ohm ranges on insulation testers.
 Checking ohm ranges on Clamp Meters.
 Checking range on milli-ohm meters.
 Checking bench top multimeter's ohm range.
 ETC.....



The ITC 8 can be utilized to check calibration of resistance ranges of insulation testers and multimeters. The resistance checker box is also used to verify insulation testers and multimeters.

- Resistance Ranges :
0.5 Ω , 1 Ω , 2 Ω , 20 Ω , 200 Ω , 1K Ω , 10K Ω , 20K Ω , 100K Ω , 1M Ω , 2M Ω , 10M Ω
- Accuracy :
0.5 Ω - 2 Ω : $\pm 0.05\%$
20 Ω - 10M Ω : $\pm 1\%$
- Dimensions : 150(L) x 72(W) x 60(D) mm
- Weight : Approx. 180g
- IEC/EN 61010-1 CAT III 1000Vdc

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