

電阻箱

RESISTOR CALIBRATION BOX

電阻箱系列是包含高阻抗和低阻抗組合，提供絕緣表或三用表，作為調校和比對之用，或者作為測量儀器教學之用。

型號	RCB-1	RCB-3	RCB-3-1T
阻抗檔位(Ω)	1M.2M.7M.10M. 20M.30M.50M. 100M.200M. 500M.1G.2G. 5G.10G.20G. 50G.100G. 200G.500G	1M.10M.100M. 1G.5G.10G. 100G.500G	1M.10M.100M. 1G.10G.100G. 1T
阻抗誤差參考	±1%(F)		
溫度係數	±25ppm/°C : 1M.2M.7M.10M.20M.30M.50M.100M ±50ppm/°C : 200M.500M ±100ppm/°C : 1G.2G.5G ±200ppm/°C : 10G.20G.50G.100G ±400ppm/°C : 200G.500G ±1000ppm/°C : 1T		
最大工作電壓	直流(DC)10kV		
操作溫度	-30°C~75°C		
功率耗損	3W		
外形尺寸	450(長) x 330(寬) x 180(高)公厘	430(長) x 324(寬) x 127(高)公厘	360(長) x 200(寬) x 150(高)公厘
重量	約5公斤	約4.14公斤	約2.25公斤



RCB-1



RCB-3



RCB-3-1T



ITC 6

- 阻抗檔位：
0.5Ω, 1Ω, 10Ω, 20Ω, 100Ω, 500Ω, 1kΩ,
1.5kΩ, 1MΩ, 10MΩ, 50MΩ, 100MΩ
- 準確度：
0.5Ω ~ 2Ω : ±0.05Ω
10Ω ~ 100MΩ : ±1%



ITC 8

- 阻抗檔位：
0.5Ω, 1Ω, 2Ω, 20Ω, 200Ω, 1kΩ, 10kΩ, 20kΩ, 100kΩ, 1MΩ, 2MΩ, 10MΩ
- 準確度：
0.5Ω ~ 2Ω : ±0.05Ω
20Ω ~ 10MΩ : ±1%
- 外形尺寸：150(長) x 72(寬) x 60(高)公厘
- 重量：約180克
- 通過歐洲安規驗證：EN 61010-1 CAT III 1000V DC



STANDARD

Test & Measuring Instruments

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	±1%(F)		
Temperature Coefficient	±25ppm/°C : 1M.2M.7M.10M.20M. 30M.50M.100M ±50ppm/°C : 200M.500M ±100ppm/°C : 1G.2G.5G ±200ppm/°C : 10G.20G.50G.100G ±400ppm/°C : 200G.500G ±1000ppm/°C : 1T		
Max. Working Voltage	DC 10KV		
Operating Temperature	-30°C ~ 75°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	



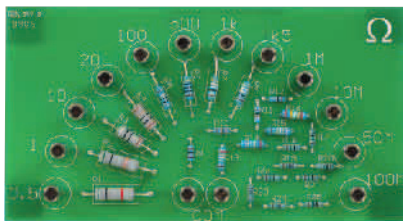
RCB-1



RCB-3



RCB-3-1T



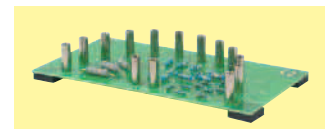
ITC 6



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 :
 - 0.5Ω, 1Ω, 2Ω, 20Ω, 200Ω, 1KΩ, 10KΩ, 20KΩ, 100KΩ, 1MΩ, 2MΩ, 10MΩ
- Accuracy :
 - 0.5Ω - 2Ω : ±0.05Ω
 - 20Ω - 10MΩ : ±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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