



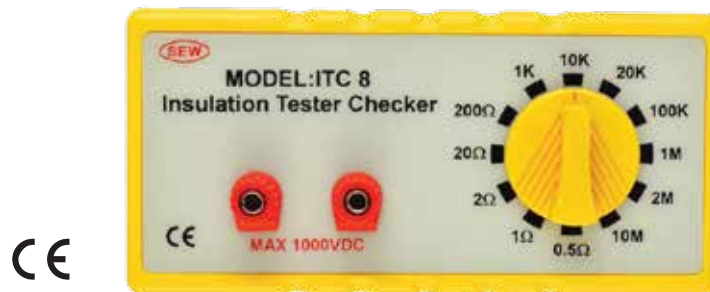
Hoyt Resistor Calibration Boxes

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Resistor Calibration Box

The Resistor Calibration Boxes (RCB) are used to verify and proof any High Voltage Insulation Testers. They can be utilized to calibrate all High Voltage Insulation Testers very accurately Analogues or Digitals.

ITC 8 Resistor Calibration Box



- 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.

Specifications

Resistance Ranges: 0.5Ω, 1Ω, 2Ω, 20Ω, 200Ω, kΩ, 10kΩ, 20kΩ, 100kΩ, 1MΩ, 2MΩ, 10MΩ
Accuracy: 0.5Ω - 2Ω : ± 0.05Ω
20Ω - 10MΩ : ±1%

General

Dimensions: 150(L) x 72(W) x 60(D)mm
Weight: Approx. 180g
Safety Standard: EN 61010-1 CAT III 1000Vdc

RCB-1 Resistor Calibration Box



Specifications

Resistance ranges (Ω) : 1M, 2M, 7M, 10M, 20M, 30M, 50M, 100M, 200M, 500M,
1G, 2G, 5G, 10G, 20G, 50G, 100G, 200G, 500G

Resistance tolerances: $\pm 1\%$ (F)

Tolerance

$\pm 25\text{ppm}/^\circ\text{C}$: 1M Ω , 2M Ω , 7M Ω , 10M Ω , 20M Ω , 30M Ω , 50M Ω , 100M Ω , 200M Ω , 500M Ω
 $\pm 100\text{ppm}/^\circ\text{C}$: 1G Ω , 2G Ω ,
 $\pm 200\text{ppm}/^\circ\text{C}$: 5G Ω , 10G Ω , 20G Ω , 50G Ω , 100G Ω ,
 $\pm 400\text{ppm}/^\circ\text{C}$: 200G Ω , 500G Ω
 $\pm 1000\text{ppm}/^\circ\text{C}$: 1T Ω

Max. working voltage: DC 10kV

Power coefficient: Below 3W

Connecting terminals: Binding Post : Resistance circuit and guard

General

Operating temperature: $-30^\circ\text{C}\sim 75^\circ\text{C}$

Dimensions: 430(L) \times 324(W) \times 127(D)mm

Weight : Approx. 5200g

RCB-3 Resistor Calibration Box



Specifications

Resistance ranges (Ω): 1M, 10M, 100M, 1G, 5G, 10G, 100G, 500G

Resistance tolerances: $\pm 1\%$ (F)

Tolerance

$\pm 25\text{ppm}/^\circ\text{C}$: 1M Ω , 2M Ω , 7M Ω , 10M Ω , 20M Ω , 30M Ω , 50M Ω , 100M Ω , 200M Ω , 500M Ω

$\pm 100\text{ppm}/^\circ\text{C}$: 1G Ω , 2G Ω ,

$\pm 200\text{ppm}/^\circ\text{C}$: 5G Ω , 10G Ω , 20G Ω , 50G Ω , 100G Ω ,

$\pm 400\text{ppm}/^\circ\text{C}$: 200G Ω , 500G Ω

$\pm 1000\text{ppm}/^\circ\text{C}$: 1T Ω

Max. working voltage: DC 10kV

Power coefficient: Below 3W

Connecting terminals: Binding Post : Resistance circuit and guard

General

Operating temperature: $-30^\circ\text{C}\sim 75^\circ\text{C}$

Dimensions: 430(L) \times 324(W) \times 127(D)mm

Weight : Approx. 4140g

Resistor Calibration Box

RCB-3-1T Resistor Calibration Box



Specifications

Resistance ranges (Ω): 1M, 10M, 100M, 1G, 5G, 10G, 100G, 1T

Resistance tolerances: $\pm 1\%$ (F)

Tolerance

$\pm 25\text{ppm}/^\circ\text{C}$: 1M Ω , 2M Ω , 7M Ω , 10M Ω , 20M Ω , 30M Ω , 50M Ω , 100M Ω , 200M Ω , 500M Ω

$\pm 100\text{ppm}/^\circ\text{C}$: 1G Ω , 2G Ω ,

$\pm 200\text{ppm}/^\circ\text{C}$: 5G Ω , 10G Ω , 20G Ω , 50G Ω , 100G Ω ,

$\pm 400\text{ppm}/^\circ\text{C}$: 200G Ω , 500G Ω

$\pm 1000\text{ppm}/^\circ\text{C}$: 1T Ω

Max. working voltage: DC 10kV

Power coefficient: Below 3W

Connecting terminals: Binding Post : Resistance circuit and guard

General

Operating temperature: $-30^\circ\text{C}\sim 75^\circ\text{C}$

Dimensions: 430(L) \times 324(W) \times 127(D)mm

Weight : Approx. 4140g

Resistor Calibration Box

RCB-411 Resistor Calibration Box



The RCB-411 is used to verify and proof High Voltage Insulation Testers. Both Analogue and Digital Insulation Testers can be calibrated.

Specifications

Resistance ranges (Ω): 1M Ω , 10M Ω , 100M Ω , 500M Ω , 1G Ω , 10G Ω , 50G Ω , 100G Ω , 1T Ω

Resistance tolerances: $\pm 1\%$ (F)

Tolerance

$\pm 25\text{ppm}/^\circ\text{C}$:	1M Ω , 10M Ω , 100M Ω
$\pm 50\text{ppm}/^\circ\text{C}$:	500M Ω $\pm 100\text{ppm}/^\circ\text{C}$: 1G Ω
$\pm 200\text{ppm}/^\circ\text{C}$:	10G Ω , 50G Ω , 100G Ω
$\pm 1500\text{ppm}/^\circ\text{C}$:	1T Ω

Max. working voltage: DC 5kV

General

Operating temperature: $-30^\circ\text{C}\sim 70^\circ\text{C}$

Dimensions: 250(L) \times 190(W) \times 110(D)mm

Weight : Approx. 1455g

Caution:

a. Before testing, make sure the front panel, terminals are clean and dry. If not, wipe them with cloth.

b. Use high voltage silicone wires.

Otherwise the reading will be incorrect.