



Hoyt Resistor Calibration Boxes

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Resistor Calibration Box



RCB-1



RCB-3



RCB-3-1T

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.

Specifications	RCB-1	RCB-3	RCB-3-1T
Resistance ranges (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. 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		
Operating temperature	$-30^\circ\text{C} \sim 75^\circ\text{C}$		
Power coefficient	Below 3W		
Connecting terminals	Binding Post: Resistance circuit & guard		
Dimensions	430(L) \times 324(W) \times 127(D)mm		
Weight:	Approx. 5200g	Approx. 4140g	Approx. 4140g

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

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

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

Weight: Approx. 1455g



RCB-411

Caution:

- Before testing, make sure the front panel, terminals are clean and dry. If not, wipe them with cloth.
- Use high voltage silicone wires. Otherwise the reading will be incorrect.



HITC 8 Resistor Calibration Box

- The HITC 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: 0.5 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 : $\pm 0.05\Omega$
 20 Ω - 10M Ω : $\pm 1\%$

Dimensions: 150(L) \times 72(W) \times 60(D)mm

Weight: Approx. 180g

Safety Standard: EN 61010-1 CAT III 1000VDC