

RH9A SERIES

HIGH RESISTANCE, HIGH VOLTAGE DECADE RESISTANCE BOX WITH SP1 SWITCH

Designed using the Cropico high quality SP1 switch combined with specially selected resistors, this range of high ohm resistance decades is ideal for the calibration of insulation test sets having a voltage rating up to 5kV. Housed in a rugged carrying case and available in either 3, 6, or 9 decades the RH9A series covers the range 1 kilo ohm to 1 tera ohm and is equally at home in the laboratory workshop or field application. A single decade unit is also available with 10 switched values from 1 kilo ohm to 1 tera ohm. Supplied complete with high voltage test leads 1 metre in length and calibration certificate.



KEY FEATURE	RH9A
1, 3, 6 & 9 decades available	■
Range 1 kilo ohm to 1 tera ohm	■
Max Voltage 5kV	■
Accuracy $\pm 0.1\%$	■
Portable case	■

RH9A SPECIFICATIONS

RH9A-1	RH9A-2	RH9A-3	RH9A	Decade	Accuracy @ Certified Voltage 1Kv Max	Typical Voltage Coeff	Max V/Step	Power Rating	Temp Coeff
	■		■	10 x 1k Ω	$\pm 0.1\%$	-	25V	1 watt	± 50 ppm / $^{\circ}\text{C}$
	■		■	10 x 10k Ω	$\pm 0.1\%$	-	100V	1 watt	± 50 ppm / $^{\circ}\text{C}$
	■		■	10 x 100k Ω	$\pm 0.1\%$	-	250V	1 watt	± 50 ppm / $^{\circ}\text{C}$
	■	■	■	10 x 1M Ω	$\pm 0.1\%$	-	500V	1 watt	± 50 ppm / $^{\circ}\text{C}$
	■	■	■	10 x 10M Ω	$\pm 1\%$	1ppm/V	4,000V	1.5 watts	± 100 ppm / $^{\circ}\text{C}$
	■	■	■	10 x 100M Ω	$\pm 1\%$	1ppmV	4,000V	1.5 watts	± 100 ppm / $^{\circ}\text{C}$
■		■	■	10 x 1G Ω	$\pm 1\%$	1ppm/V	4,000V	3.5 watts	± 100 ppm / $^{\circ}\text{C}$
■		■	■	10 x 10G Ω	$\pm 1\%$	1ppm/V	5,000V	3.5 watts	± 100 ppm / $^{\circ}\text{C}$
■		■	■	10 x 100G Ω	$\pm 2\%$	1ppm/V	5,000V	1.3 watts	$\pm 2,000$ ppm / $^{\circ}\text{C}$

RH9A-5 SPECIFICATIONS

Value	Accuracy @ Certified Voltage 1Kv Max	Typical Voltage Coeff	Max V/Step	Power Rating	Temp Coeff
1k Ω	$\pm 0.1\%$	-	500V	1 watt	± 50 ppm / $^{\circ}\text{C}$
10k Ω	$\pm 0.1\%$	-	500V	1 watt	± 50 ppm / $^{\circ}\text{C}$
100k Ω	$\pm 0.1\%$	-	500V	1 watt	± 50 ppm / $^{\circ}\text{C}$
1M Ω	$\pm 0.1\%$	-	500V	1 watt	± 50 ppm / $^{\circ}\text{C}$
10M Ω	$\pm 1\%$	1ppm/V	4,000V	1.5 watt	± 100 ppm / $^{\circ}\text{C}$
100M Ω	$\pm 1\%$	1ppm/V	4,000V	1.5 watt	± 100 ppm / $^{\circ}\text{C}$
1G Ω	$\pm 1\%$	1ppm/V	5,000V	3.5 watt	± 100 ppm / $^{\circ}\text{C}$
10G Ω	$\pm 1\%$	1ppm/V	5,000V	3.5 watt	± 100 ppm / $^{\circ}\text{C}$
100G Ω	$\pm 2\%$	1ppm/V	5,000V	1.3 watt	± 2000 ppm / $^{\circ}\text{C}$
1T Ω	$\pm 2\%$	1ppm/V	5,000V	1.3 watt	± 2000 ppm / $^{\circ}\text{C}$

Weight

- RH9A 8.8kg
- RH9A-1 7kg
- RH9A-2 8kg
- RH9A-3 8kg
- RH9A-5 0.8kg

Size

- RH9A 460mm x 380mm x 160mm (W H D) approx
- RH9A-1 460mm x 380mm x 160mm (W H D) approx
- RH9A-2 460mm x 380mm x 160mm (W H D) approx
- RH9A-3 460mm x 380mm x 160mm (W H D) approx
- RH9A-5 220mm x 110mm x 90mm (W H D) approx