RM8

WIDE RANGE, COMPACT & VERSATILE 8 DECADE RESISTANCE BOX WITH DOUBLE POLE SWITCHING

The model RM8 decade resistance box is designed to compliment our range of resistance boxes, offering a very wide range 0.01 ohm to 1 Mega ohm in a compact and versatile unit. The low decade steps of 0.01 ohm enable very high resolution, when simulating resistance values and the power rating is 1.0 watt per coil. The RM8 uses double pole switching to minimize the effects of contact resistance. The lower value decades (0.01 and 0.1 ohm) are manufactured from Manganin resistance wire and the other decades from selected metal film resistors. This offers good stability combined with excellent load and temperature coefficients. Housed in a hardwood case with metal panel the size is only 254 x 145 x 80mm and the connections are with 4mm binding posts that will accept spade or banana plugs.

KEY FEATURE	RM8
8 decades	■
Wide range 0.01 ohm to 1 Mega ohm	■
Accuracy 0.1%	■
Exceptional value for money	■
Compact size	■
Power rating 1W / coil	■

RM8 SPECIFICATIONS

Decades	Accuracy	Maximum Current
10 x 100KΩ	± 0.1%	0.003A
10 x 10KΩ	± 0.1%	0.01A
10 x 1KΩ	± 0.1%	0.033A
10 x 100Ω	± 0.1%	0.1A
10 x 10Ω	± 0.5%	0.3A
10 x 1Ω	± 1%	1.0A
10 x 0.1Ω	± 5%	1.0A
10 x 0.01Ω	± 10%	1.0A

Terminals

2 binding posts will accept 4mm banana plugs and spade tags. 1 terminal for connection to panel/earth

Dimensions

254mm x 145mm x 80mm (W H D) approx

Mass

0.95 kg

Resistors

Power Rating: 1 watt per resistor
Lower decades (0.01 & 0.1 ohm) Manganin wire wound, other decades metal film
Temperature coefficient: 10ppm/°C

Switches

Rotary 2 poles in parallel, contacts silver plated brass with positive click mechanism. Insulation >50,000 Mega ohm

Residual Resistance

< 0.1 ohm

Test Voltage

1kV dc between terminals and panel

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