



Decade Resistance Box

All Sizes



EM2852-001 Through EM2852-001

Code	Dials	Size L x W x H	Weight	Step	Max. Resistance
EM2821-001	3	190 x 80 x 80mm	0.5kg	0.1 ohm	111 ohm
EM2822-001	3	190 x 80 x 80mm	0.5kg	1.0 ohm	1,110 ohm
EM2823-001	3	190 x 80 x 80mm	0.5kg	10.0 ohm	11,100 ohm
EM2831-001	4	240 x 80 x 80mm	0.6kg	0.1 ohm	1,111 ohm
EM2832-001	4	240 x 80 x 80mm	0.6kg	1.0 ohm	11,110 ohm
EM2833-001	4	240 x 80 x 80mm	0.6kg	10.0 ohm	111,100 ohm
EM2841-001	5	290 x 80 x 80mm	0.74kg	1.0 ohm	111,110 ohm
EM2842-001	5	290 x 80 x 80mm	0.74kg	10.0 ohm	1,111,100 ohm
EM2843-001	5	290 x 80 x 80mm	0.74kg	100 ohm	11,111,000 ohm
EM2850-001	6	340 x 80 x 80mm	0.81kg	0.1 ohm	111,111 ohm
EM2851-001	6	340 x 80 x 80mm	0.81kg	1.0 ohm	1,111,110 ohm
EM2852-001	6	340 x 80 x 80mm	0.81kg	10.0 ohm	11,111,100 ohm

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Description:

Compact and robust design for both industrial and student use. Anodised aluminium dust resistant enclosure with earthing terminal. 4mm spin free captive socket head terminals for use with wires or banana plugs.

Internal connections are by printed circuit board for better reliability. Each dial provides 10 steps of resistance so that the values are selected in complete decades.

Accuracy:

Better than 1% of dialled reading (above 1 ohm). Resistors used are non inductive and high stability.

Note: 0.1 ohm decade accuracy is 10% of dialled value.

Power:

Each resistor has a power dissipation of 1 watt.

Current:

The current for each decade is limited by the wattage dissipation per resistor.

Ratings:

1 ohm steps 1.0 amp 10 ohm steps: 0.3 amp 100 ohm steps: 0.1 amp
1,000 ohm steps: 0.03 amp 10,000 ohm steps: 0.01 amp

Note:

Maximum current for 0.1 ohm steps is about 2 amps to prevent damage to the internal switch contacts.

Designed and Manufactured in Australia