

**DECADE RESISTANCE BOX - all sizes**

Cat: EM2821-001 through EM2852-001

EM2821-001 through EM2852-001 decade resistance boxes

Code	Dials	Size	Wt.	Step	Max.resistance
EM2821-001	3 DIAL	190x80x80mm LxWxH	0.5kg	0.1 ohm	111 ohm
EM2822-001	3 DIAL	190x80x80mm LxWxH	0.5kg	1.0 ohm	1,110 ohm
EM2823-001	3 DIAL	190x80x80mm LxWxH	0.5kg	10.0 ohm	11,100 ohm
EM2831-001	4 DIAL	240x80x80mm LxWxH	0.6kg	0.1 ohm	1,111 ohm
EM2832-001	4 DIAL	240x80x80mm LxWxH	0.6kg	1.0 ohm	11,110 ohm
EM2833-001	4 DIAL	240x80x80mm LxWxH	0.6kg	10.0 ohm	111,100 ohm
EM2841-001	5 DIAL	290x80x80mm LxWxH	0.74kg	1.0 ohm	111,110 ohm
EM2842-001	5 DIAL	290x80x80mm LxWxH	0.74kg	10.0 ohm	1,111,100 ohm
EM2843-001	5 DIAL	290x80x80mm LxWxH	0.74kg	100 ohm	11,111,000 ohm
EM2850-001	6 DIAL	340x80x80mm LxWxH	0.81kg	0.1 ohm	111,111 ohm
EM2851-001	6 DIAL	340x80x80mm LxWxH	0.81kg	1.0 ohm	1,111,110 ohm
EM2852-001	6 DIAL	340x80x80mm LxWxH	0.81kg	10.0 ohm	11,111,100 ohm

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em2821to2852-001.doc

**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 5% 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