Alpha Electronics
A VPG Brand

6-Dial Decade Resistance Box

RTD Simulator

FEATURES

- Accuracy ≤0.005 % +2 mΩ
- Temperature coefficient of resistance ≤ 5 ppm/°C
- Long-term stability in resistance ≤50 ppm/year (storage life)
- Low contact resistance switch and three clip-typed contacts in parallel
- Low thermal EMF terminal
- Double electrical shielding protective against noise
- Utilizing Bulk Metal® Foil ultra precision resistance inside

MASS

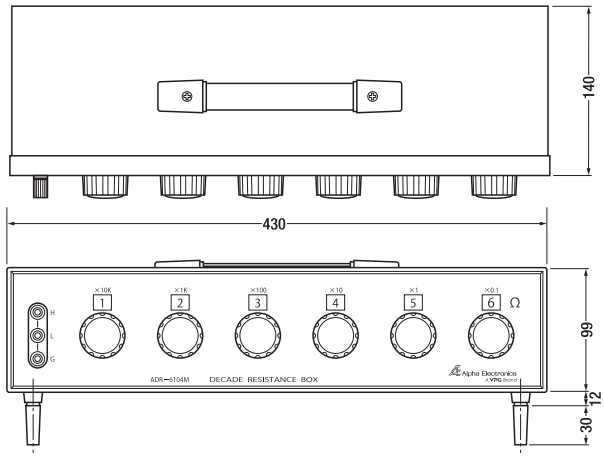
Approx. 4.5 kg (10 lbs)

DESCRIPTION

The ultra precision resistors, the rotary switches, the output terminals and the double shielded construction are all features of the 6-Dial Decade Resistance Box with 6½ digit readings.

Resistors used in the 6-Dial Decade Resistance Box are ultra precision Bulk Metal® Foil resistors manufactured by Alpha Electronics Corp., assuring high stability over time and environment change. Rotary switches have very low contact resistance as three clip-typed contacts are connected in parallel. The three contacts assure higher mechanical reliability mechanically. Output terminals have very low thermal EMF, using rectangular wires of low thermal resistance material in a well-designed circuit configuration. Double shielded construction inhibits interference of environmental noise.

CONFIGURATION in millimeters



SPECIFICATIONS

Series	Min. Resistance Value	Max. Resistance Value	Resolution	Dial Resistance Value/Step (Ω)						Accuracy	Max. Wattage
				Dial 1	Dial 2	Dial 3	Dial 4	Dial 5	Dial 6		
ADR-6102M	0.100 Ω	1.111210 kΩ	0.001	100	10	1	0.1	0.01	0.001	±(0.005 % ±2 mΩ)	0.5 W
ADR-6103M	0.10 Ω	11.11110 kΩ	0.01	1 k	100	10	1	0.1	0.01		
ADR-6104M	0.1 Ω	111.1110 kΩ	0.1	10 k	1 k	100	10	1	0.1		
ADR-6105M	1 Ω	1.111110 MΩ	1	100 k	10 k	1 k	100	10	1		
ADR-6106M	10 Ω	11.11110 MΩ	10	1 M	100 k	10 k	1 k	100	10	<1 MΩ ±(0.01 % +50 mΩ) ≥1 MΩ ±0.1 %	
ADR-6107M	100 Ω	111.1110 MΩ	100	10 M	1 M	100 k	10 k	1 k	100	<1 MΩ ±(0.02 %+50 mΩ) ≥1 MΩ ±0.1 %	