

Precision Decade Resistance Box

Features

- Resistance range from $1m\Omega$ to $1.11111k\Omega$
- High accuracy
- Excellent stability
- Outputs through 4mm safety BTI terminals
- Setting by Rotary switch



The main function of these decade boxes is to create resistance with a specific value by using a combination of rotary decade switches. high accuracy, long-term stability, and low temperature coefficient. Resistance boxes are used in testing and calibration laboratories, QA of electronics & automation companies.

Technical Specifications

Model	ZMPDRB	
Decade	1mΩ, 10mΩ, 100mΩ, 1Ω, 10Ω, 100Ω	
Total Resistance Range	1mΩ to 1.11111kΩ	
Number of Decades Switches	06	
Type of Switches	Gold Plated Switches	
Residual Resistance	< 15 m Ω for 1 year, after 1 year add 2m Ω per year, Max residual resistance: 15m Ω	
Stability	100 PPM (10 Ω to 10 MΩ)	
Operating Temperature	10° C to 40° C	
Storage Temperature	5° C to 70° C	
Drift due to ageing	50 PPM	
Accuracy	Range	Accuracy: @ 20° to 28°C, RH <70%
	X 1 mΩ	± 2.5%
	X 10 mΩ	± 1.5%
	X 100 mΩ	± 0.5%
	Χ1Ω	±0.2%
	X 10 Ω to X 100 Ω	± 0.1%
Dimension	420mm(W) X 130mm(D) X 120mm(H)	
Weight	2.5kg Approx	

Dimensional Details Drawing





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