

Decade Resistance Box

Features

- Resistance range from 1Ω to 1111.1111MΩ
- High accuracy
- Excellent stability
- Outputs through 4mm safety BTI terminals
- Setting by Rotary switch



The Decade Resistance boxes allow quick and easy setting of a wide range of resistance. The main function of these decade boxes is to create resistance with a specific value by using a combination of rotary decade switches. Resistance boxes are used in laboratory testing and calibration.

Technical Specifications

Model	ZMDRB	
Decades	1Ω, 10Ω, 100Ω, 1kΩ, 10kΩ, 100kΩ, 1MΩ, 10MΩ, 100MΩ	
Total Resistance Range	1Ω to 1111.1111MΩ	
Number of Decades Switches	09	
Type of Switches	Silver Plated Switches	
Residual Resistance	< 60 mΩ for 1 year, after 1 year add 5mΩ per year	
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 Ω	± 0.2%
	X 10 Ω to X 10 MΩ	± 0.1%
	X 100 MΩ	± 0.5%
Dimension	470mm(W) X 100mm(D) X 80mm(H)	
Weight	2kg Approx	

Dimensional Details Drawing

