

## 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 $\Omega$ for 1 year, after 1 year add 2m $\Omega$ per year, Max residual resistance: 15m $\Omega$	
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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