

Precision Decade Resistance Box

Features

- Resistance range from 1mΩ to 1.11111kΩ
- 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 mΩ for 1 year, after 1 year add 2mΩ per year, Max residual resistance: 15mΩ | |
| 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% |
| | X 1 Ω | ± 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

