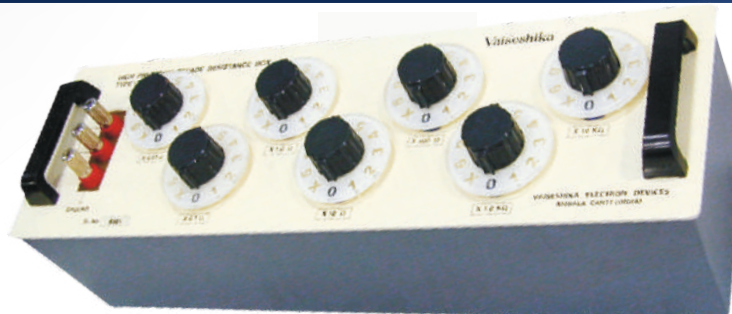


High Precision Decade Resistance Box



Series : 7400

Features

- High precision, through highly reliable resistance element & skilled construction
- Calibration verification on 20 years stability data of the Master Calibration Standards
- CMC of the order of 0.002%
- Safety factor 1.25 is applied in designing
- 15 years maintainability assured.

Applications

- Calibration of RTD Temperature Indicators
- Load Cell and Strain Gauge Calibrations.
- All testing & calibration labs.
- Calibration of Speedo Meters.
- Meter calibrations.
- Calibration of Earth Resistance Meters

Technical Data

- **Function** : Calibration Resistance Standard
- **Range/ Resolution** : 0.0001Ω to 111.11111 KΩ/ 0.0001Ω
- **Switches** : Silver/Gold plated, self wiping, spring loaded
- **Switch Resistance** : ≤ 2 mΩ
- **Resistor Element** : Insulated, Non Inductive, wire wound Manganin Wire
- **Stability** : 1/3 of Accuracy (yearly)
- **Temperature Coefficient** : ≤ 10 ppm/°C
- **Maximum Voltage to Case** : 1000 volts
- **Instrument Housing** : Mild Steel with anti-rust powder coating
- **Calibration Certificate (Optional)** : ISO/IEC 17025 compliant or Factory Cal. Certificate.
- **Accessories (Optional)** : Carrying case & Connecting Cables.

Decade	Resistance Per Step (Ω)	Total Resistance (Ω)	Max. Current (A)	Max. Voltage (V)	Max. Power (W)	Accuracy:			
						Ultra Precision	Precision	Standard	Economy
First	0.0001	0.001	20	0.002	0.04	±8%	±10%	±10%	±15%
Second	0.001	0.01	10	0.01	0.1	±5%	±8%	±10%	±15%
Third	0.01	0.1	4	0.04	0.16	±1%	±1%	±2%	±5%
Fourth	0.1	1.0	1.6	0.16	0.256	±0.2%	±0.2%	±0.5%	±1%
Fifth	1.0	10.0	800 m	0.8	0.64	±0.02%	±0.02%	±0.05%	±0.5%
Sixth	10.0	100.0	250 m	2.5	0.625	±0.01%	±0.02%	±0.05%	±0.5%
Seventh	100.0	1.0 k	80 m	8	0.64	±0.01%	±0.02%	±0.05%	±0.5%
Eighth	1.0 k	10.0 k	23 m	23	0.53	±0.01%	±0.02%	±0.05%	±0.5%
Ninth	10.0 k	100 k	7 m	70	0.49	±0.01%	±0.02%	±0.05%	±0.5%