

Thumb Wheel Decade Resistance Box



Series : 7400A

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

: 0.01 Ω to 99.9999999 MΩ/ 0.01 Ω

Switches

: Selectable Thumb Wheel with Gold plated Contacts

Switch Resistance

: 60 mΩ

Resistor Element

: Non Inductive Metal Film & Manganin Wire

Stability

: 1/3 of Accuracy (yearly)

Temp. Coefficient

: Standard & Precision: 100 ppm/°C, Ultra Precision 50 ppm/°C

Instrument Housing

: Mild Steel With Anti-rust powder coated

Maximum Voltage to Case

: 2000 volts

Max. Voltage Capacity

: 250V DC & 176VAC FSD

Calibration Certificate(Optional)

: ISO/IEC 17025 compliant or Factory Calibration Certificate.

Accessories Optional

: Carrying Case & Connecting Cables

Decade (Ω)	Total Resistance (Ω)	Max Power (W)	Accuracy Standard		Accuracy Precision		Accuracy Ultra Precision	
			individual DIAL	FSD	individual DIAL	FSD	individual DIAL	FSD
0.01	0.09		±15%		±15%		±10%	
0.1	0.9		±5%		±5%		±5%	
1.0	9.0		±1%		±1%		±1%	
10.0	90.0		±1%		±0.5%		±0.5%	
100.0	900	1	±1%	±1%	±0.5%	±0.5%	±0.1%	±0.1%
1.0 K	9.0 K	or	±1%		±0.5%		±0.1%	
10.0 K	90.0 K	2	±1%		±0.5%		±0.1%	
100.0 K	900.0 K		±1%		±0.5%		±0.1%	
1M	9 M		±1.1%		±0.5%		±0.1%	
10 M	90 M		±1%		±0.5%		±0.1%	

ISO 17025 Compliant Calibration Facilities