

Thumb Wheel Decade Resistance Box



Series : 7400A

Features

- High precised, 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 99.99999999 M Ω / 0.01 Ω
Switches	: Selectable Thumb Wheel with Gold plated Contacts
Switch Resistance	: 60 m Ω
Resistor Element	: Non Inductive Metal Film & Manganin Wire
Stability	: 1/3 of Accuracy (yearly)
Temp. Coefficient	: Standard & Precision: 100 ppm/ $^{\circ}$ C, Ultra Precision 50 ppm/ $^{\circ}$ C
Instrument Housing	: Mild Steel With Anti-rust powder coated
Maximum Voltage to Case	: 2000 volts
Max.Voltage Capacity	: 250V DC & 176 VAC 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		$\pm 15\%$		$\pm 15\%$		$\pm 10\%$	
0.1	0.9		$\pm 5\%$		$\pm 5\%$		$\pm 5\%$	
1.0	9.0		$\pm 1\%$		$\pm 1\%$		$\pm 1\%$	
10.0	90.0		$\pm 1\%$		$\pm 0.5\%$		$\pm 0.5\%$	
100.0	900	1	$\pm 1\%$	$\pm 1\%$	$\pm 0.5\%$	$\pm 0.5\%$	$\pm 0.1\%$	$\pm 0.1\%$
1.0 K	9.0 K	or	$\pm 1\%$		$\pm 0.5\%$		$\pm 0.1\%$	
10.0 K	90.0 K	2	$\pm 1\%$		$\pm 0.5\%$		$\pm 0.1\%$	
100.0 K	900.0 K		$\pm 1\%$		$\pm 0.5\%$		$\pm 0.1\%$	
1 M	9 M		$\pm 1.1\%$		$\pm 0.5\%$		$\pm 0.1\%$	
10 M	90 M		$\pm 1\%$		$\pm 0.5\%$		$\pm 0.1\%$	

ISO 17025 Compliant Calibration Facilities