

DECADE RESISTANCE BOXES



Features

- Independent Range selection
- Direct read – out
- Output on safety sockets
- Moulded side covers with embossed handles
- Membrane panel
- Compact Design
- Tolerance available up to 0.1%

Application

Decade Resistance Boxes are used as a temporary resistive substitute for finding the optimum value of required resistance in laboratories for research & development

Description

A wide range of resistance can be selected from a single row of switches, which allows direct read out from the position of control KNOBS. These resistance Boxes are designed to get resistance values by selecting any individual range between the decades ranges through the bottom mounted shrouded sockets. This reduce the residual resistance. Resistance boxes are available from 0.01Ω to 100MΩ with a general accuracy of 1% . high precision and high stability 2 watt non- inductive resistors are used.

Use of professional grade rotary switches of silver plated contacts with excellent dielectric material. The Resistors enclosed in metal cabinet or in an Aluminium extrusion body with handle embossed plastic side cover and multi color polycarbonate membrane panel to understand resistance color codes from the ranges easily by students

Specially designed quality hardware components for easy user interface and highly professional and accurate testing and measuring instruments being used to calibrate these decade boxes.

“S” Series : Decade Boxes with Metal body Powder coated

“A” Series : Decade Box with metal body with Aluminum Extrusion Anodized/ Powder coated with Plastic side cover embossed handle

Thumb wheel controlled decade resistance boxes are also available on request @5% tolerance.



Models	Description	Steps	Dials
DRB-1-4	0.1Ω to 1,111Ω	0.1Ω	4
DRB-3-3	10Ω to 100Ω	10Ω	3
DRB-1-8	0.1Ω to 11.111,111MΩ	0.1Ω	8
DRB-3-4	10Ω to 111,100Ω	10Ω	4
DRB-4-1	100Ω to 10000Ω	1000Ω	1
DRB-5-1	1000Ω to 11.11 MΩ	1000Ω	1
DRB-2-4	1Ω to 11.11 KΩ	1Ω	4
DRB-2-5	1Ω to 111,110Ω	1Ω	5
DRB-5-1	1000Ω to 11.11 MΩ	1000Ω	1
DRB-2-6	1Ω to 1.111,11 MΩ	1Ω	6
DRB-3-5	10Ω to 1 MΩ	10Ω	5
DRB-4-5	100Ω to 10 MΩ	100Ω	5
DRB-1-5	0.1Ω to 11.111KΩ	0.1Ω	5
DRB-1-1	0.1Ω to 1.0Ω	0.1Ω	1
DRB-2-7	1Ω to 10 MΩ	1Ω	7
DRB-7-1	100KΩ to 1MΩ	100KΩ	1
DRB-4-4	100Ω to 1,111 MΩ	100Ω	4
DRB-5-4	1KΩ to 11.11 MΩ	1KΩ	4
DRB-2-1	1Ω to 10Ω	1Ω	1
DRB-1-6	0.1Ω to 111.111KΩ	0.1Ω	6
DRB-1-7	0.1Ω to 1.11111MΩ	0.1Ω	7
DRB-3-6	10Ω to 11.111,1 MΩ	10Ω	6

Available Models & Specifications

	Decades	Weight	Dimension in cm.		
			L	W	H
“S” Series	1	0.50Kg	105	82	90
	2	0.60Kg	155	82	90
	3	0.80Kg	200	82	90
	4	1.00Kg	245	82	90
	5	1.20Kg	290	82	90
	6	1.40Kg	335	82	90
	7	1.60Kg	380	82	90
“A” Series	1	0.40Kg	130	90	95
	2	0.55Kg	180	90	95
	3	0.65Kg	225	90	95
	4	0.80Kg	270	90	95
	5	0.95Kg	315	90	95
	6	1.10Kg	360	90	95
	7	1.25Kg	405	90	95
Note	Higher watt Resistance on request				
	All Resistors are 2Watt Non-Inductive				
	General Tolerance : ±2%				
	±1% & ±5% on request.				
Output termination on Binding Posts					
Shrouded Sockets on request					

Mechanical Specifications