



Model 4310

Temperature Stabilized
Resistance Standard

*Temperature Controlled
9 Element Resistance
Standard*

General Description:

The Model 4310, a nine-element resistance standard is the latest development from Measurements International's series of DC resistors and shunts. After many years of research in resistance materials, the Model 4310 insures that you get the best performance on the market today. Combined with MI's experience in automated resistance measurements the 4310 is used as a temperature controlled, 9-element working resistance reference.

The nine-resistance elements cover the range from 0.1 ohm to 10 Megohms. The resistance elements feature excellent stability and extremely low temperature coefficients housed in a single unit. Each resistance element is accessible from the back panel with four terminal binding posts, suitable for banana plug, spade lugs or wires. The resistor elements are maintained at 35 degrees Celsius, with an operating environment temperature range extending from 18 to 28 degrees Celsius. The Model 4310 can be mounted in any standard 19-inch instrument rack.

Model 4310

Specifications:

Nominal Resistance (ohms)	Nominal Resistance tolerance (+/- ppm)	24 Hour Stability (+/- ppm)	12 Month Stability (+/- ppm)	Temperature Coefficient (+/- ppm/°C)	Max. Voltage (Volts)
10 MΩ	35	0.5	10	0.025	100
1 MΩ	25	0.25	5	0.02	100
100 kΩ	15	0.25	5	0.01	100
10 k Ω	10	0.25	5	0.005	32
1 k Ω	10	0.25	5	0.005	10
100 Ω	10	0.25	5	0.005	3.2
10 Ω	10	0.25	5	0.005	1.0
1 Ω	10	0.25	5	0.005	0.32
0.1 Ω	100	0.5	10	0.025	0.2
Temperature Regulation: +/- 0.01° C over a 1 year period					
Ambient Temperature Range: 23° C +/-5° C					
Ambient Humidity Range 20 to 50% RH					
Warranty: Standard 1 year Parts & Labor					

Dimensions:

305 (d) x 450 (w) x 133 (h) mm

Weight:

9 kg max

Shipping Weight:

13 kg.

Accessories:

Operating Power:

85 to 264V – 47 to 440Hz

How to Order:

Model 4310 – 9 Element Resistance
Standard

Data Subject to Change

Printed in Canada



Measurements International

118 Pirelli Dr., PO Box 2359, Prescott, Ontario, Canada K0E 1T0
Ph. 613.925.5934 • Fx. 613.925.1195 • North America: 1.800.324.4988

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