



HIGH STANDARD RESISTOR

- High Stability
- 10 MΩ to 100 TΩ
- Split Guard Circuit
- Internal Temperature Sensor
- Custom Values Available
- NIST Design
- Includes Calibration Data

MODEL 9331G



MODEL 9331G HIGH STANDARD RESISTOR

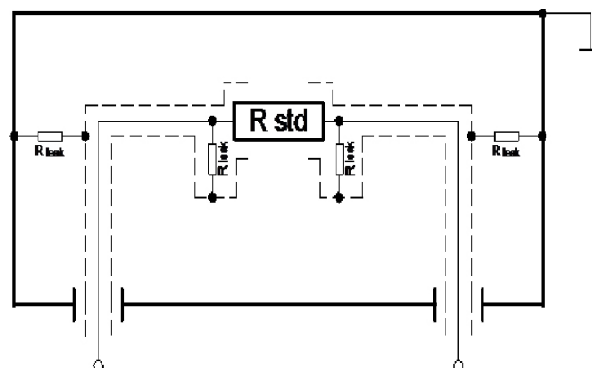
The 9331G series of high accuracy resistance standards are available in standard values from 10 MΩ to 100 TΩ and custom values available at any resistance therein.

High stability and supplied alpha and beta temperature coefficients of the 9331G make them ideal for easy transport and operation in any working environment within the range of 18 to 28 °C. The resistance standards require no controlled oil or air bath to meet specifications, however, for improved performance, they can be placed in an air bath such as the Model 9300 or 9300A.

The Model 9331G is based on a NIST design which includes the split guard design and internal temperature sensor. The split guard circuit design allows for applying independent guard voltages at each side of the resistor.

All resistor connections are type N. Several adapter cables from N Type to GR, BNC etc. are available.

The Model 9331G is hermetically sealed in a shielded enclosure and isolated from the case.





MODEL 9331G HIGH STANDARD RESISTOR

Specifications: Rev 11

Model	Nominal Value Ohms	Tolerance ± ppm	Stability 1 Year	Stability 2 Years	TC 23°C ±5°C	Maximum Voltage (& Gradient)
9331G/10M	10 M	5	10 ppm	10 ppm	±5 ppm/°C	1 kV 0.2 ppm/V
9331G/100M	100 M	10	20 ppm	10 ppm	±5 ppm/°C	1 kV 0.2 ppm/V
9331G/1G	1 G	30	25 ppm	10 ppm	±5 ppm/°C	1 kV 0.5 ppm/V
9331G/10G	10 G	1%	25 ppm	20 ppm	±200 ppm/°C	1 kV (1 ppm/V)
9331G/100G	100 G	1%	200 ppm	50 ppm	±200 ppm/°C	1 kV (5 ppm/V)
9331G/1T	1 T	1%	500 ppm	300 ppm	±200 ppm/°C	1 kV (5 ppm/V)
9331G/10T	10 T	5%	700 ppm	500 ppm	±200 ppm/°C	1 kV (25 ppm/V)
9331G/100T	100 T	10%	0.5%	0.25%	±1%/°C	1 kV (200 ppm/V)

Dimensions (L x W x H):
 200 x 100 x 81 (mm)

Weight:
 1 kg

Shipping Weight:
 Provide with Quote

Main Power:
 N/A

Corporate Headquarters

Measurements International
 PO Box 2359, 118 Commerce Drive
 Prescott, Ontario, Canada K0E 1T0
 Phone: (613) 925-5934
 Fax: (613) 925-1195
 Email: sales@mintl.com
 Toll Free: 1-800-324-4988

Worldwide Offices

MI-USA
 Phone: (407) 706-0328
 Email: sales@mintl.com
 Toll Free: 1-866-684-6393

MI-China
 Phone: 86-10-64459890
 Email: sales@mintl.com

MI-Europe
 Phone: +(420) 731-440-663
 Email: sales@mintl.com

MI-Japan
 Phone: +(81) 72 39 64 660
 Email: kaz@mijpn.com

MI-India
 Phone: +(91) 98 10 134 932
 Email: sales@MILLP.co.in



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