

>185.65546 67616.12287 577  
>198.65546 65612.232829 9555  
>198.65546 65612.232829 9555  
>152.698016 68818.282399 92356  
>198.643636 78617.732289 783  
>124.634546 78672.237779 683  
>458.11142 83417.782397 876  
>145.523286 64486.22289 986  
>140.77060 32814.077060 328 56-20

## MODEL 9331G



## High Resistance Standard

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

## MODEL INFORMATION

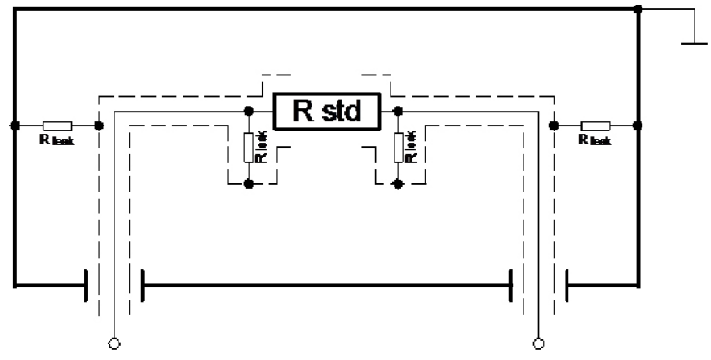
The 9331G series of high accuracy resistance standards are available in standard values from 10M to 100T Ohms and custom values available at any resistance therein.

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 mounted directly on the resistor element.

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

The Model 9331G is hermetically sealed in a shielded enclosure and isolated from the case. The Split guard circuit design allows for applying independent guard voltages at each side of the resistor.



**Specifications:**

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

**9331G/xx** Customer specified value and specification on request

**Temperature Sensor**

10kΩ Thermistor

**Connector**

Supplied

**Dimensions**

L 200 x W 100 x D 80 mm  
 L 7.9 x W 3.9 x D 3.15 in

**Weight**

1.0 kg  
 2.2lbs

**Shipping Weight**

2.0 kg  
 4.4lbs

**Accessories:**

- 9331G-01 Interconnection Lead Set N male to GR
- 9331G-02 Interconnection Lead Set N male to N female
- 9331G-03 Interconnection Lead Set N male to BNC
- 9331G-XX Interconnection Lead Set N male to special

All Cables 30 cm unless otherwise specified.

Model 9300A Standard Resistor Air Bath

**Disributed By:**

**Corporate Headquarters**

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