



Model 9331G Standard Air Resistor

*No Oil or Air Bath Required
Operating Range 18°C to 28°C
Accurate Working Standard
Custom Values Available
100M to 100T Ohm*

General Description:

These high accuracy working standards are used for precision, on-site, resistance calibrations for values from 100M to 100T Ohms. They are small, light and rugged resistance standards. The resistance standards require no temperature controlled oil or air baths for the specifications shown. However, for optimal performance as a primary set of resistors, it is recommended that the resistors be placed in an air bath such as the Model 9300.

Stability and 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 Model 9331G is based on a NIST design. All connections being made via a type N connectors. Several adapter cables from N Type to GR, BNC etc. are available. Custom values are available upon request.

The Model 9331G is housed in a shielded enclosure, with the inner enclosure ends being isolated from the external enclosure. This allows the inner enclosure to be driven with active guard voltages.

Each 9331G comes with a calibration report including the value and voltage coefficient. Temperature coefficient data may be ordered separately centered on 23°C.

Model 9331G

Specifications:

			Stability				
Model	Nominal Value Ohms	Tolerance ±PPM	6 Months	12 Months	Max Current (100mW)	Max Change 23°C ±5°C	Maximum Voltage (&Gradient)
9331G/100M	100M	10	15	25	1uA	25	1kV
9331G/1G	1G	30	15	25	1uA	25	1kV
9331G/10G	10G	1%	300	500	100nA	0.1%	1kV(1ppm/V)
9331G/100G	100G	1%	300	500	10nA	0.1%	1kV(5ppm/V)
9331G/1T	1T	1%	300	500	1nA	0.1%	1kV (5ppm/V)
9331G/10T	10T	5%	300	500	100pA	0.1%	1kV (5ppm/V)
9331G/100T	100T	5%	0.5%	2%	10pA	2%	1kV(200ppm/V)

Dimensions:

L 200 x W 100 x D 80 mm

Weight:

1.0 kg

Shipping Weight:

2 kg

Accessories:

Interconnect cables

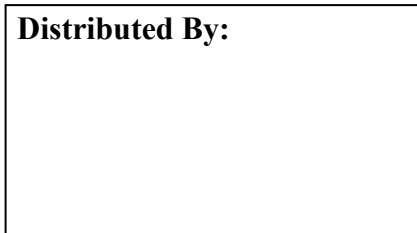
(See below for part number)

All cables 1 foot unless otherwise specified.

Operating Power:

NA

Distributed By:



How to Order:

Model: 9331G/XXX - Standard Air Resistor

Data Subject to Change

Printed in Canada



Measurements International

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Form MI 67, Rev. 1, Dated 01-11-15 (QAP 19, App. "O")