

MULTIPLE HIGH RESISTANCE STANDARD – TEMPERATURE STABILIZED

- 1 MEGOHM TO 1 TERAOHM
- FULLY GUARDED
- HIGH IMMUNITY FROM AMBIENT TEMPERATURE CHANGES
- TRANSPORTABLE



Model MHS Temperature Stabilized Multiple High Resistance Standard

Ohm-Labs' new Multiple High Resistance Standard maintains state-of-the-art resistance at levels above 1 megohm.

The MHS incorporates seven fully guarded high resistance standards, identical to those used in Ohm-Labs' 100-H series resistance standards.

The 1 and 10 megohm elements are wound from resistance wire for high stability. The rest are custom made to Ohm-Labs' specifications using precious metal oxide as the resistance element.

Every resistor is housed in a hermetically sealed housing for immunity from humidity and pressure effects.

A constant temperature chamber provides isolation from variations in ambient temperature. A precision thermometer indicates chamber temperature. A thermistor and two wells are provided for an external monitoring.

The chamber may be set from 18 to 30 °C to characterize temperature coefficients.

The MHS temperature stabilizes in less than an hour, allowing high resistance standards to be used in the field or on-site with the highest accuracy.

ISO 17025 accredited, NIST traceable calibration is included.

For less than the cost of seven high resistance standards, the model MHS provides superior performance and greater versatility.

Condensed Specifications							
Nominal Resistance	Initial Tolerance (< ppm)	Temperature Coefficient (less than)	Voltage Coefficient (less than)	Calibration Accuracy (< ppm)	12 month Stability	Recom. Voltage	Max Voltage
1 Meg	10	0.1 ppm / °C	0.1 ppm / V	4	<5 ppm	10	200
10 Meg	15	0.2	0.1	5	10	20	500
100 Meg	25	1	0.1	12	20	50	1000
1 Gig	50	2	0.1	25	25	100	
10 Gig	100	2	0.1	50	50	100	
100 Gig	250	3	0.2	100	100	200	
1 Tera	500	5	1	250	200	500	

Notes:

Tolerance is at time of manufacture.

Temperature coefficient is from 18 to 30 °C

Voltage coefficient is at recommended -50 % / +100 %.

Physical: 471 x 147 x 463 (17.75" x 5.25" x 18.25") 3U; 16 kG / 35 #

Accessories available:

BPO female to BNC (M or F) adaptor

1 m cables: BPO F to BNC

