

VRS-100 • Series

An economical set of precision high resistance standards designed for testing megohmmeters

or other instruments; 9 or 10 values up to 10 TΩ with special Kel-F isolation.

- Set of nine resistors - 1 kΩ, 10 kΩ, 100 kΩ, 1 MΩ, 10 MΩ, 100 MΩ, 1 GΩ, 10 GΩ, 100 GΩ, (1 TΩ and 10 TΩ optional), open circuit
- Nonstandard value sets up to 10 TΩ
- High Accuracy - up to 20 ppm
- Maximum voltage: up to 5000 V (higher voltages are available)
- Excellent TC - up to 5 ppm/°C
- Excellent stability - up to 10 ppm/year



Model VRS-100 High Resistance Standards, binding post version

- Two user versions available:
binding posts
rotary switch



Model VRS-100 High Resistance Standards, rotary switch version, with guard and case ground

SPECIFICATIONS

Nominal value Ω	Max Voltage V	Adjustment Accuracy	Temperature coefficient (ppm/°C)	Voltage coefficient (ppm/V)	Accuracy for full voltage
1 k	50	20 ppm	3	-	same
10 k	150	20 ppm	3	-	same
100 k	500	20 ppm	3	-	same
1 M	1250	20 ppm	5	-	same
10 M	5000	50 ppm	50	0.2	120 ppm
100 M	5000	300 ppm	50	1.2	0.7%
1 G	5000	0.5%	50	1.2	0.7%
10 G	5000	0.5%	50	2	1%
100 G	5000	1%	200	5	3%
1 T	5000	2%*	300	5	5%
10 T	5000	5%*	300	5	10%

* 1 TΩ and 10 TΩ calibrated at 1000 V

Dimensions: 43.2 cm W x 14.2 cm H x 13.5 cm D (17" x 5.6" x 5.3").

Weight: 3.6 kg (8 lb).

SI traceable

ORDERING INFORMATION

- VRS-100-9-1K-BP 9 Values, 1 kΩ to 100 GΩ Substituter, with binding posts 10 TΩ values may be included in any model - optional
 VRS-100-10-1K-BP 10 Values, 1 kΩ to 1 TΩ Substituter, with binding posts Optional combinations are available
 VRS-100-9-1K-ROT9 Values, 1 kΩ to 100 GΩ Substituter, with rotary switch
 VRS-100-10-1K-ROT 10 Values, 1 kΩ to 1 TΩ Substituter, with rotary switch



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