

DRS-900

Economic high-performance, high-power resistance for all laboratory, test, and calibration needs.



9-Decade DRS-900 High Power Decade Resistance Substituter

- Resistance from 1 mΩ to 1 MΩ
- Standard Accuracy: (1% + 20 mΩ)
- Power Rating : 225 W/decade, 250 W max. or higher
- Voltage Rating: 1000 V or higher
- Rack mounting standard
- Special and custom configurations available

Specifications

Resistance per step	Total decade resistance	Max current*	Max power per step* (W)	Temperature coefficient (ppm/°C)	Resistor Type
1 mΩ	0.009 Ω	8 A	0.036	±50	Resistance Wire
10 mΩ	0.09 Ω	6 A	0.36	±50	
100 mΩ	0.9 Ω	6 A	3.6	±20	
1 Ω	9 Ω	5 A	25	-20 to +80	Power Film
10 Ω	90 Ω	1.5 A	25	-20 to +80	
100 Ω	900 Ω	0.5 A	25	-20 to +80	
1 kΩ	9 kΩ	150 mA†	25†	-20 to +80	
10 kΩ	90 kΩ	50 mA†	25†	-20 to +80	Wirewound/ metal film
100 kΩ	900 kΩ	V limit†	V limit†	-20 to +80	

*Subject to maximum of 250 W max. per unit
†Subject to 1000 V (dc+ac) peak max

Accuracy:

after subtraction of zero resistance, at 23°C; traceable to SI

Standard: ±(1% + 20 mΩ)

Option -C: ±(0.5% + 20 mΩ)

Zero Resistance:

<5 mΩ per decade

Terminals:

Two five-way binding posts and one ground post electrically connected to case.

Dimensions:

48.3 cm W x 8.9 cm H x 19 cm D (19" W x 3.5" H x 7.5" D)

Weight:

5.5 kg (12 lbs), nominal

Ordering Information

Standard Unit:

9 decades from 0.001 Ω to 100 kΩ

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Accuracy Option:

±(0.5% + 20 mΩ)

-C

