

TECHNICAL DATA

Features

- Auto-ranging ground resistance and leakage current measurements
- 0.001 Ω resolution for low resistance measurements
- 9999-count EBTN display
- Internal memory stores up to 300 readings
- User adjustable alarms
- Data hold function
- Durable double molded conductor clamp
- 1.26" (32mm) jaw size for large ground rods
- Low battery indicator and auto shut off
- Cat. III 300V safety rating
- Includes resistance calibration loop (1 Ω and 10 Ω), batteries and hard carrying case

Specifications

Ground Resistance

Range:	0.010 to 0.099 Ω 0.10 to 0.99 Ω 1.0 to 49.9 Ω 50.0 to 99.5 Ω 100 to 199 Ω 200 to 395 Ω 400 to 590 Ω 600 to 880 Ω 900 to 1200 Ω
Accuracy:	0.010 to 0.099 Ω : $\pm(1\% + 0.01\Omega)$ 0.10 to 0.99 Ω : $\pm(1\% + 0.01\Omega)$ 1.0 to 49.9 Ω : $\pm(1\% + 0.1\Omega)$ 50.0 to 99.5 Ω : $\pm(1.5\% + 0.5\Omega)$ 100 to 199 Ω : $\pm(2\% + 1\Omega)$ 200 to 395 Ω : $\pm(5\% + 5\Omega)$ 400 to 590 Ω : $\pm(10\% + 10\Omega)$ 600 to 880: $\pm(20\% + 20\Omega)$ 900 to 1200 Ω : $\pm(25\% + 30\Omega)$
Resolution:	0.001 Ω , 0.01 Ω , 0.1 Ω , 0.5 Ω , 1 Ω , 5 Ω , 10 Ω , 20 Ω , 30 Ω



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Current

Range:	0 to 9mA, 10 to 99mA, 100 to 299mA, 0.30 to 2.99A, 3 to 9.9A, 10 to 20A
Accuracy:	0 to 9.95A: $\pm(2.5\% + 1\text{mA})$, 10 to 99mA: $\pm(2.5\% + 5\text{mA})$, 100 to 300mA: $\pm(2.5\% + 10\text{mA})$, 0.30 to 2.99A: $\pm(2.5\% + 0.1\text{A})$, 3 to 9.9A: $\pm(2.5\% + 0.3\text{A})$, 10 to 20A: $\pm(2.5\% + 0.5\text{A})$
Resolution:	0.5mA, 0.1mA, 1mA, 0.01A, 0.1A, 0.1A

General Specifications

Range Selection:	Auto-ranging
Sampling Time:	0.5 seconds
Display:	9,999 count EBTN display
Backlit LCD:	Yes
User Selectable Alarms:	Yes
Display Hold:	Yes
Internal Memory:	Yes up to 300 data points
Auto Shut-off:	Yes (after 5 minutes)
Power Supply:	4 x AA Batteries
Over Range Indicator:	Yes
Low Battery Indicator:	Yes
Ω +A Display:	Yes
Jaw Opening:	1.26" (32mm)
Overvoltage Category:	CAT. III 300V
Product Certifications:	CE, RoHS
Operating Temperature:	32 to 131°F (0 to 55°C)
Operating Humidity:	10 to 90%
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Dimensions:	11.2 x 3.3 x 2.2" (285 x 85 x 56mm)
Weight:	2.6lbs (1180g)

Model	Description
R5710	Clamp-On Ground Resistance Tester
R5710-NIST	Clamp-On Ground Resistance Tester & NIST