

DGC-1000A Clamp Ground Resistance Tester

The Amprobe DGC-1000A clamp ground resistance tester, designed for use by electricians and electrical contractors, measures ground resistance, current, and continuity in multi-grounded electrical systems. This true RMS (root mean square) meter provides accurate readings when measuring linear or non-linear loads where the current or voltage has a sinusoidal or nonsinusoidal waveform. The clamp-on head enables the user to measure resistance on a ground rod in a multi-ground system without the use of auxiliary ground rods and without disconnecting the other grounds.

DGC-1000A Features

- **Accurate ground resistance measurement** from 0.025 to 1,500 Ohms
- **True-rms current measurement** including leakage current
- **Accurate readings** regardless of power quality in less than 10 seconds
- **Continuity beep** if the resistance is lower than 40.00 Ohms
- **Simple and easy to use**, no test leads or auxiliary electrodes necessary
- **Data logging capability** - 116 records
- **Individual data point recording**
- **User selectable** high & low ohm audible alarms
- **Auto power off** (can be disabled)
- **Low battery indicator**
- **Large LCD display**
- **Safety:** Category III 300 V and Category II 600 V



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Clamp Ground
Resistance Tester



Safety Certification



All Amprobe tools, including the DGC-1000A, are rigorously tested for safety, accuracy, reliability, and ruggedness in our state-of-the-art test lab. In addition, Amprobe products that measure electricity are listed by a 3rd party safety lab, either UL or CSA. This system assures that Amprobe products meet or exceed safety regulations and will perform in a tough, professional environment for many years to come.



Specifications	DGC-1000A
Conductor size	Approx. 0.9 in (2.3 cm)
Jaw opening	Approx. 1.06 in (2.7 cm)
Display type	4 digits 9999 counts LCD
Range selection	Auto
Auto Power Off	About 4~6 minutes
Overload Protection	100A (continuous); 200A (5 sec.)
Overload indication	OL
Ground resistance range	0.025 to 1,500 ohms
Power consumption	40 mA
Low battery indication	Yes
Sampling time	20 times / second
LCD update	2 times / second
Temperature Coefficient	0.1% x (Specified Spec.)/°C (<18 °C or >28 °C)
Operating temperature	14 °F to 122 °F (0 °C to 50 °C)
Operating humidity	Less than 85% RH
Weight (including batteries)	1.4 lb (640 g)
Dimensions	10.1 x 3.9 x 1.9 in (25.7 x 10 x 4.7 cm)
Power supply	1 x 9 V battery (installed)

Included Accessories: Resistance calibration plate, 9 V battery (installed), User manual and Carrying box

