

# 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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## Specifications

<b>Conductor size</b>	Approx. 0.9 in (2.3 cm)
<b>Display type</b>	4 digits 9999 counts LCD
<b>Range selection</b>	Auto
<b>Overload indication</b>	OL
<b>Ground resistance range</b>	0.025 to 1,500 ohms
<b>Power consumption</b>	40 mA
<b>Low battery indication</b>	Yes
<b>Battery life</b>	3000 measurements
<b>Sampling time</b>	0.5 seconds
<b>Operating temperature</b>	14 °F to 122 °F (0 °C to 50 °C)
<b>Operating humidity</b>	Less than 85% RH
<b>Weight (including batteries)</b>	1.4 lb (640 g)
<b>Dimensions</b>	10.1 x 3.9 x 1.9 in (25.7 x 10 x 4.7 cm)
<b>Power supply</b>	1 x 9 V battery (installed)

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

For complete specifications, please download the product manual on [amprobe.com](http://amprobe.com)

All Amprobe tools, including the Amprobe 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.

