AMPROBE® Model GP-2
Ground Resistance and Resistivity Tester

Features
- Measures Earth Ground Resistance (Ω)
- Automatically Calculates Resistivity (mΩ)
- Test leads, auxiliary electrodes and software are included for a complete instrument
- Voltage Measurement
- Automatically applies three testing frequencies for the most accurate readings
- Auto ranging
- Stores up to 999 measurements in the memory
- DATA download to a PC (RS-232)

Benefits
- Three point test (fall of potential) measures earth ground resistance as required by equipment manufacturer specifications and as mandated by national code requirements for proper grounding
- Two point test is used to test grounding wires resistance and resistance of connection points between ground system elements i.e., wires and electrodes
- Tests soil for a new ground system design
- Does not require any additional meters to test voltage before grounding test is performed
- Easy to operate
- Data can be stored for later viewing
- Durable
- Downloads data to a personal computer to generate reports and store historical data

GP-2 Geo Test

Applications
- Ground resistance of the electrode or grid system
- Cathodic protection
- Soil contamination
- Lighting protection
- Isolated grounding

put me to the test.
The largest selection of test measurement equipment for electrical professionals

Miami, Florida
P(305) 423-7500 • F(305) 423-7554
www.amprobe.com

AAD-197
Model GP-2

**TECHNICAL SPECIFICATIONS**

### Resistance measurement

| Range (Ω) | Resolution (Ω) | Accuracy (*

| 0.01 – 19.99 | 0.01 | ±(2% reading + 3 digits) |
| 20.0 – 199.9 | 0.1 | |
| 200 – 1999 | 1 | |

### Resistivity measurement ρ

| Range (Ω) | Resolution | Accuracy (*

| 0.0 – 125.6 kΩ | 0.1 kΩ | ±(2% reading + 3 digits) |
| 0.125 – 1256 kΩ | 0.001 kΩ | |
| 1.25 – 19.99 kΩ | 0.01 kΩ | |
| 20.0 – 1999 kΩ | 0.1 kΩ | |

(*): If Rρ > 100Rc and/or Rρ > 100Rc, Rρ > 50kΩ and/or Rρ > 50kΩ, if the instrument carries out the test the accuracy of the instrument is ±(10% Reading)

Rρ = resistance of the voltage circuit
Rc = resistance of the circuit current
Re = earth resistance
ρ = 2πDRρ = calculated resistivity

(**): Automatic selection of the range

### Display

Features: standard LCD 65mm x 65mm.

Memory: 999 memory locations

Interfaces: opto-insulated serial output RS232 to transfer data to a PC.

### OPERATING CONDITIONS

**Environmental conditions**

Reference temperature: 73 ± 41°F (23°C ± 5°C)

Operating temperature: 14 ± 122°F (-10°C ± 50°C)

Relative humidity: <80%

Storage temperature: -4°F ± 140°F (-20°C ± 60°C)

Storage humidity: <70%

### ECM

This instrument has been designed in compliance with the EMS standards in force and its comptability has been tested for:

- Irradiated emissions: EN55011
- Immunity: EN50140, EN61000
- Electrostatic discharges: EN61000-4-2
- R.F. range: EN50140
- Fast transient: EN61000-4-4

### ACCESSORIES

**Standard and optional accessories**

<table>
<thead>
<tr>
<th>Standard accessories*</th>
<th>Code</th>
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| 1-carrying case containing: | GP-2CON
| -4 earth rods | |
| -4 cables banana crocodile | |
| Carrying case | GP-2CC |
| Optical serial cable | C2000 |
| Software and manual | www.amprobe.com |