

## PROVA 5601

# Clamp-on Ground Resistance Tester

CE

CAT III 300V, CAT II 600V

### Features:

- Non-contact ground resistance measurement
- No auxiliary electrode needed
- Ground resistance measurement: **0.025Ω ~ 1500Ω**
- Leakage current measurement: **0.3mA ~ 30A**, True RMS
- Jaw diameter: **23mm**
- Programmable High and Low alarm
- Data logging capacity: **116 records**
- Programmable Data Logging: data logging interval **1 to 255 sec.**
- Auto-power-off function

### Grounding Application:

- Telecommunication
- Electrical Power Plant
- Factory and Facility
- Cable TV System
- Cellular Phone System
- Gas Station & Tank

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## Electrical Specifications: (23°C ± 5°C)

### Ground Resistance (Auto range):

Range	Resolution	Accuracy of Reading <sup>1</sup>
0.025 - 0.250 Ω	0.002 Ω	± 1.5% ± 0.05 Ω
0.251 - 1.000 Ω	0.02 Ω	± 1.5% ± 0.05 Ω
1.001 - 10.00 Ω	0.02 Ω	± 1.5% ± 0.1 Ω
10.01 - 50.00 Ω	0.04 Ω	± 2.0% ± 0.3 Ω
50.01 - 100.0 Ω	0.04 Ω	± 2.0% ± 0.5 Ω
100.1 - 200.0 Ω	0.4 Ω	± 3.0% ± 1.0 Ω
200.1 - 400.0 Ω	2 Ω	± 5.0% ± 5 Ω
400.1 - 600.0 Ω	5 Ω	± 10% ± 10 Ω
600.1 - 1500 Ω	20 Ω	± 20%

<sup>1</sup> Loop resistance noninductive, external field < 50 A/m, external electrical field < 1 V/m, conductor centered.

<sup>2</sup> Resistance Measurement Frequency: 3.333KHz

### High and Low Alarm

	Range	Resolution
High Alarm	0 - 1510Ω	1Ω
Lo Alarm	0 - 1510Ω	1Ω

### Ground/ Leakage Current (Auto range, 50/60 Hz, True RMS, Crest Factor < 3.0)

Range	Resolution	Accuracy of Reading
0.300 - 1.000 mA	0.001 mA	± 2.0% ± 0.05 mA
1.00 - 10.00 mA	0.01 mA	± 2.0% ± 0.03 mA
10.0 - 100.0 mA	0.1 mA	± 2.0% ± 0.3 mA
100 - 1000 mA	1 mA	± 2.0% ± 3 mA

### Ground Current (Auto range, 50/60 Hz, True RMS, Crest Factor < 3.0)

Range	Resolution	Accuracy of Reading
0.200 - 4.000 A	0.001 A	± 2.0% ± 0.03 A
4.00 - 30.00 A	0.01 A	± 3.0% ± 0.03 A

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## General Specifications:

Conductor Size:	23 mm (0.9") approx.
Jaw Opening:	27 mm (1.06") approx.
Battery Type:	9V IEC 6 LR61 (Alkaline)
Battery Life:	3000 measurements
Display:	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
Power Consumption:	40mA
Low Battery Indication:	
Sampling Time:	20 times / sec.
LCD update:	2 times / sec.
Operating Temperature:	0°C to 50°C (14°F to 122 °F)
Operating Humidity:	less than 85% relative
Altitude:	up to 2000M
Storage Temperature:	-20°C to 60°C (-4°F to 122 °F)
Storage Humidity:	less than 75% relative
Temperature Coefficient:	0.1% x (Specified Spec.) / °C  ( < 18°C or > 28°C )
Dimension:	257mm (L) x 100mm(W) x 47mm(H) 10.1" (L) x 3.9"(W) x 1.9"(H)
Weight:	640g / 1.4 lbs
Accessories:	Resistance Calibration Plate x 1 9V Battery (Installed) x 1 Users Manual x 1 Carrying Case x 1

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