

PROVA 5637

Clamp-on Ground Resistance Tester

CE

CAT III 300V, CAT II 600V

Features:

- Non-contact ground resistance measurement: **0.025Ω ~ 1500Ω**
- No auxiliary electrode needed
- Leakage current measurement: **0.3mA ~ 35A**, True RMS
- Jaw diameter: **35mm**
- Programmable High and Low alarm
- Programmable data logging
- Data logging capacity: **116 records**
- 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

Electrical Specifications: (23°C±5°C)

Ground Resistance (Auto range):

Range	Resolution	Accuracy of Reading ¹
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%

¹ Loop resistance noninductive, external field < 200 A/m, external electrical field < 1 V/m, conductor centered.

² 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 < 3.5)

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 < 3.5)


Range	Resolution	Accuracy of Reading
0.200 – 4.000 A	0.001 A	± 2.0% ± 0.03 A
4.00 – 35.00 A	0.01 A	± 3.0% ± 0.03 A

Accuracy of Resistance Calibration Plate: ±1%

Data Logging Capacity : 116 records

Data Logging Interval: 1 to 255 seconds

General Specifications:

Conductor Size:	35 mm (1.38") approx.
Jaw Opening:	38 mm (1.49") 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 / second
LCD update:	2 times / second
Temperature Coefficient:	0.1% x (Specified Spec.) / °C (< 18°C or > 28°C)
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
Dimension:	276mm (L) x 100mm (W) x 47mm (H) 10.8" (L) x 3.9" (W) x 1.9" (H)
Weight:	750g / 1.65 lbs
Accessories:	Resistance calibration plate x 1, 9V battery (installed) x 1, User manual x 1, Carrying case x 1

PROVA INSTRUMENTS INC.

Add: 6F-2, #129, Lane 235, Pao-Chiao Road, Shin-Tien Dist., New Taipei City 23145,
Taiwan

Tel: 886-2-89191255

Fax: 886-2-89191489

E-mail: prova@ms3.hinet.net