

PROVA-5601/5637 Clamp-on Ground Resistance Tester



FEATURES

Non-Contact Ground Resistance Measurement	0.2mA–30A(5601)0.2mA–35A(5637), True RMS
No Auxiliary Electrode Needed	116 Sets of Memory(5601,5637)
Jaw Diameter Φ 23 mm (5601)	Programmable Hi and Lo Alarm(5601,5637)
Jaw Diameter Φ 35 mm(5637)	Programmable Data Logging (5601,5637)
0.025 – 1500 Ohm	



APPLICATIONS

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



SPECIFICATION

Ground Resistance (Auto range)

Range	Resolution	Accuracy of Reading 1,2
0.025 - 0.250 Ω	0.002 Ω	$\pm 1.5\% \pm 0.05 \Omega$
0.250 - 1.000 Ω	0.02 Ω	$\pm 1.5\% \pm 0.05 \Omega$
1.001 - 9.999 Ω	0.02 Ω	$\pm 1.5\% \pm 0.1 \Omega$
10.00 - 50.00 Ω	0.04 Ω	$\pm 2.0\% \pm 0.3 \Omega$
50.01 - 99.99 Ω	0.04 Ω	$\pm 2.0\% \pm 0.5 \Omega$
100.0 - 200.0 Ω	0.4 Ω	$\pm 3.0\% \pm 1.0 \Omega$
200.1 - 400.0 Ω	2 Ω	$\pm 5.0\% \pm 5 \Omega$
400.1 - 600.0 Ω	5 Ω	$\pm 10\% \pm 10 \Omega$
600.1 - 1500 Ω	20 Ω	$\pm 20\%$

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

2 Resistance Measurement Frequency: 1.667KHz,3.333KHz(optional)

Ground/Leakage Current (Auto range, 50/60 Hz, True RMS, Crest Factor < 3.5)

Range	Resolution	Accuracy of Reading
0.200 - 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
0.20 - 4.00 A	0.001A	± 2.0% ± 0.03A
4.00 - 30.00 A(5601)	0.01A	± 3.0% ± 0.03A
4.00 - 35.00 A(5637)	0.01A	± 3.0% ± 0.03A

General Specification

Accuracy of Resistance Calibration Plate	±0.5%
Data Logging Capacity	116 records
Data Logging Interval	1 to 255 seconds
Conductor Size	35mm /1.38"(5637), 23mm /0.90"(5600,5601)
Jaw Opening	38mm /1.49"(5637), 27mm /1.06"(5600,5601)
Battery Type	9V IEC 6 LR61 (Alkaline)
Display Type	4 digits 9999 counts LCD
Overload Indication	OL
Battery Life	3000 measurements
Low Battery Indication	
Range Selection	Auto
Power Consumption	40mA
Sampling Time	0.5 seconds
Operating Temperature	0 °C to 50 °C (14 °F to 122 °F) Operating Humidity: Less than 85% RH
Storage Temperature	-20 °C to 60 °C (-4 °F to 122 °F) Storage Humidity: Less than 75% RH
Dimension(5637)	276mm (L) x 100mm(W) x 47mm(H),10.8" (L) x 3.9"(W) x 1.9"(H)
Dimension(5600,5601)	257mm (L) x 100mm(W) x 47mm(H),10.1" (L) x 3.9"(W) x 1.9"(H)
Weight(5637)	750g/1.65lbs
Weight(5600,5601)	640g/1.41lbs
Accessories	Resistance Calibration Plate x 1 Battery 9V (Installed) x 1 Carrying Box x 1 Users Manual x 1