

TES

Reliable in Quality

5600 / 5601 / 5637

Clamp-on Ground Resistance Tester

- Non-Contact Ground Resistance Measurement
- No Auxiliary Electrode Needed
- Jaw Diameter Φ 23 mm (5600, 5601)
- Jaw Diameter Φ 35 mm (5637)
- 0.025-1500 Ohm
- 0.2mA-30A (5600, 5601), 0.2mA-35A (5637), True RMS
- 116 Sets of Memory (5601, 5637)
- Programmable High and Low Alarm (5601, 5637)
- Programmable Data Logging (5601, 5637)

CE

CAT II 600V
CAT III 300V
EN 61010-2-032



Grounding Application:

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

Specification:

Ground Resistance (Auto range) :

Range	Resolution	Accuracy of Reading ^{1,2}
0.025 - 0.250Ω	0.002Ω	± 1.5% ± 0.02 Ω
0.250 - 1.000Ω	0.02Ω	± 1.5% ± 0.02 Ω
1.001 - 9.999Ω	0.02Ω	± 1.5% ± 0.1 Ω
10.00 - 50.00Ω	0.04Ω	± 1.5% ± 0.1 Ω
50.01 - 100.0Ω	0.04Ω	± 1.5% ± 0.5 Ω
100.1 - 200.0Ω	0.4Ω	± 3.0% ± 1.0 Ω
200.1 - 400.0Ω	2Ω	± 5.0% ± 5 Ω
400.1 - 600.0Ω	5Ω	± 10% ± 10 Ω
600.1 - 1500Ω	20Ω	± 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 (mA 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 - 35.00 A (5637)	0.01 A	± 2.0% ± 0.03 A
0.20 - 15.00 A (5600, 5601)	0.01 A	± 2.0% ± 0.03 A
15.00 - 30.00 A (5600, 5601)	0.01 A	± 3.0% ± 0.03 A

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

Operating Temperature: 0°C to 50°C (14°F to 122°F)

Storage Temperature: -20°C to 60°C (-4°F to 122°F)

Dimension (5637): 276mm (L) x 100mm (W) x 47mm (H), 10.8" (L) x 3.9" (W) x 1.9" (H)

Weight (5637): 750g/1.65lbs

Dimension (5600, 5601): 257mm (L) x 100mm (W) x 47mm (H), 10.1" (L) x 3.9" (W) x 1.9" (H)

Weight (5600,5601): 640g / 1.4lbs

Accessories: Resistance Calibration Plate x 1

Users Manual x 1

Low Battery Indication: 

Range Selection: Auto

Power Consumption: 40mA

Sampling Time: 0.5 seconds

Operating Humidity: Less than 85% RH

Storage Humidity: Less than 75% RH

Battery 9V (Installed) x 1

Carrying Box x 1

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