

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: B **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

**TES ELECTRICAL ELECTRONIC CORP.**

7F, No.31 Lane 513, Rui Guang Rd., Neihu Dist, Taipei, Taiwan, R.O.C.

Tel : (02) 2799-3660 Fax : 886-2-2799-5099

E-mail : tes@ms9.hinet.net <http://www.tes.com.tw>