# PROVA 5637

## Clamp-on Ground Resistance Tester

هایرین مارکت
فروشگاه صنعتی هیرکان

**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℃±5℃)

**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: | B |
| Sampling Time: | 20 times / second |
| LCD update: | 2 times / second |
| Temperature Coefficient: | 0.1% x (Specified Spec.) / ℃ (＜18℃ or ＞28℃) |
| 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)<br>10.8” (L) x 3.9” (W) x 1.9” (H) |
| Weight: | 750g / 1.65 lbs |
| Accessories: | Resistance calibration plate x 1,<br>9V battery (installed) x 1,<br>User manual x 1,<br>Carrying case x 1 |


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