



AET 23

Smart Digital Earth Tester



The Agam earth tester, AET 23 is capable of performing measurements of both earth resistance in ohms and also calculates AC earth voltage from 0-200V. Earth resistance testing can be performed across three ranges: 0-20 Ohms , 0-200 Ohms and 0-2000 Ohms. Very simple to use, simply make the connections necessary turn the rotary dial to the procedure you want and hit the testing button. To make testing easier the AET 23 is equipped with limited built-in memory that can store up to 20 testing results. A data hold function is also available that will temporarily store the last value taken but will not store the result in memory. This earth resistance tester is also suitable for use on both 50Hz and 60Hz frequencies, comes with a 2000 count backlit LCD display, is manual ranging and includes double insulation protection to ensure safety at all times. The AET 23 is compliant with EN 61010-1, EN 61326-1 and is CAT III 600V rated.

Features	Benefits
Measurements of earth resistance across three ranges: 0-20 Ohms, 0-200 Ohms and 0-2000 Ohms	Wide range of Measurement with very fast response
Measures AC earth voltage from 0-200V	Gives better idea on Safety
2000 count large-size LCD display with integrated backlight	Easy viewing in dark areas
Rotary dial testing selection and clearly labeled ports for V, E, P and C connections	Easy connections
Automatically powers off after ten minutes of inactivity	Conserve battery life
Low battery indicator	Indicates Time to replace battery
Data hold function	Temporarily stores last value taken
Memory storage up to 20 records	Easy recall of readings
2-wire and 3-wire testing procedures possible	Test method flexibility to the user



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Specifications:

Technical Specifications

Earth Resistance Ranges	Accuracy
0-20 Ohms	$\pm (2\%+10)$
0-200 Ohms	$\pm (2\%+3)$
0-2000 Ohms	$\pm (2\%+3)$
AC Earth Voltage	Accuracy
0-200V	$\pm (1\%+4)$
Display Count	2000

Earth Resistance Testing: Testing signal frequency around 820Hz
Current around 3.2mA

Standards:

- CE Certified
- IEC 61010-1
- CAT III 600V
- Polluting Grade: II
- IEC 61557-1,5
- IEC 61010-2-31
- Double Insulation protection

Environmental Specifications:

- Operating Temperature: 5 - 40°C
- Storage Temperature: 20 - 60° C
- Relative humidity: 80% RH (no fog)
- Height above Sea Level: 2000 meters

Physical Specifications:

Net Weight: 560 g
Dimensions: 160mm x 100mm x 70.5mm
LCD Size: 70.6 mm x 34 mm

Power

1.5V Alkaline Batteries (LR6) x 6

Accessories

1. Green test lead 5 meter (1 piece)
2. Yellow test lead 10 meter (1 piece)
3. Red test lead 20 meter (1 piece)
4. Auxiliary earth stakes (2 piece)
5. One plug test lead with alligator clip (2 piece)
6. 1.5V Alkaline Battery (AA) (6 pieces)
7. Carrying Bag (1 set)
8. Operating manual (1 piece)

Applications:

- Industrial Earth Resistance Testing
- Substation Earth Resistance Testing
- Earth Voltage Testing

Marketed by:

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