

# POWERTEST 1557

Multi function installation tester



Thanks to a clever bit of design, we have included a cordless probe for use with the tester, meaning you can hold the tester and see the results at the same time. Weighing in at a mere 900 grams, it's light too. And it can do any test that you require at the turn of a knob, including Earth Continuity, Insulation (100v, 250v, 500v), Non-trip Loop Impedance, Line Impedance, RCD trip line, RCD trip current and voltage / frequency measurements.

## Key Features

### ■ Comprehensive testing features

Comprehensive 17th edition and Part-P testing features allow for a multitude of tests including: Earth Continuity, Insulation (100v, 250v, 500v), Non-trip Loop Impedance, Line Impedance, RCD Trip current, and Voltage/Frequency measurement.

### ■ unique cordless probe

Makes testing a breeze as it allows you a free hand to hold your tester - therefore you can view your results, as you're testing.

### ■ Non-tripping loop

Measure loop impedance without tripping RCD's.

### ■ Smallest and lightest in its class

It fits in the palm of your hand and won't weigh you down.

## PowerSolution Users

### ■ Electrical Contractors

### ■ Electrical Engineers

### ■ Training Institutions

# POWERTEST 1557 SPECIFICATIONS

## SPECIFICATION

### Earth Continuity

Test Current	>200mA
Display Range	0.00ohms - 199ohms
Resolution	0.01ohms maximum
Test Lead Compensation	Null lead resistance 0.00ohms - 10.00ohms
Live Circuit Detection	Test inhibit if >30V detected

### Insulation Resistance

Test Voltage	100V, 250V, 500V
Display Range	0.05Mohms – 199Mohms
Resolution	0.01Mohms maximum
Live Circuit Detection	Test inhibit if >30V detected

### Loop/Line Impedance

Supply Voltage	195 – 253V/440V, 45Hz – 65Hz
Test Current	15mA (non tripping for RCD protected circuits)
Display Range	0.01ohms - 2000ohms
Resolution	0.01ohms maximum
Loop Impedance	Phase to Earth
Line Impedance	Phase to Neutral/Phase to Phase
PFC/PSC Range	0 – 26kA

### RCD Trip Time

Supply Voltage	195 – 253V, 45 – 65Hz
Test Currents	10, 30, 100, 300, 500mA
Trip Time Ranges	0ms – 2000ms at 1/2 I <sub>rn</sub> 0ms – 300ms at I <sub>rn</sub> general 0ms – 500ms at I <sub>rn</sub> selective 0ms – 40ms at 5x I <sub>rn</sub>
Auto Test	Auto sequence for 1/2 I <sub>rn</sub> , I <sub>rn</sub> and 5x I <sub>rn</sub> at 0° and 180°
RCD Type	General (G), Selective (S), Pulsed (A), AC (AC)

### RCD Trip Current (Ramp Test)

Supply Voltage	195 – 253V, 45 – 65Hz
Test Currents	10, 30, 100, 300, 500mA
Ramp Current Range	1/2 I <sub>rn</sub> to 1.1 I <sub>rn</sub>

### Voltage/Frequency Measurement

Display Range	0 – 440V
Resolution	1V
Frequency Measuring Range	45 – 65Hz
Compliance	IEC 61010-1 300V CAT III, EN 61557
Dimensions	260 x 100 x 55
Weight	950g
Power Supply	6 x AA Alkaline (supplied), 6 x x AA NiMH Rechargeable (Optional)

## Supplied with

- 2 year warranty
- 6 x 1.5V cells LR6 type AA alkaline batteries
- Test lead, 1.5M 13A UK plug to Red, Black, Green 4mm shrouded safety plugs
- Alligator Clips: Red, black, green
- Test lead, set 1.5M Red, Black, Green 4mm shrouded safety plugs to Red, Black, Green 4mm shrouded safety test probes
- Red, cordless, 4mm shrouded safety test probe

## Optional Extras

### Services:

- Service & Calibration
- Jump Start



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.