

# 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 16th 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



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## 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 $\Delta$ n 0ms – 300ms at I $\Delta$ n general 0ms – 500ms at I $\Delta$ n selective 0ms – 40ms at 5x I $\Delta$ n
Auto Test	Auto sequence for 1/2 I $\Delta$ n, I $\Delta$ n and 5x I $\Delta$ n 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 $\Delta$ n to 1.1 I $\Delta$ n

#### 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 AA NiMH Rechargeable (Optional)

## PowerSolutions Package

PowerSolutions is a total solutions philosophy that encompasses all aspects of installation testing, from the testers themselves to the information management software.

When the tester and software are used in conjunction, the resulting PowerSolution gives you everything needed to run an efficient and effective installation testing business and meet all 16th edition and Part P requirements.

### PowerSolutions Package includes:

- PowerTest 1557
- PowerGuard Pro PC based software
- PowerGuard Pro Mobile PDA based software

### 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

### Software:



### Services:

**SERVICE & CALIBRATION  
JUMP START**

Seaward test and measurement companies include:

**CLARE**  
INDUSTRIAL SAFETY INSTRUMENTS

**RIGEL**  
MEDICAL

**CROPICO**  
PRECISION INSTRUMENTS

**SEAWARD**  
PORTABLE ELECTRICAL SAFETY INSTRUMENTS



WORLD LEADERS IN SAFETY TEST AND MEASUREMENT