

POWERPLUS 1557

FIXED INSTALLATION TESTER WITH BUILT IN CERTIFICATES



Traditional methods of inspection and testing require a multi-function installation tester and some additional means of recording inspection and test results. This can be a pad and paper or a PDA device running some appropriate software. Why purchase a tester and a PDA? Why carry around a tester and a PDA? A replica of the inspection and test certificate is held directly on the PowerPlus 1557 allowing the user to record test and inspection data in the field. At the end of the day, tester can be synchronised with the accompanying PC software.

Key Features

■ Worlds first combined test and inspection unit

Record test and inspection data directly on the tester, no need for reams of paper or additional PDA devices.

■ Fast and efficient

Avoid entering data on twice

■ Bluetooth download and upload to PC

Wide variety of certificate templates can be loaded using the accompanying PowerPlus PC software. After collection, field data can be transferred to certificates held on PC.

■ Future Proof

New templates can be added as new certificates emerge

■ Comprehensive testing feature

Earth continuity, Insulation (100V, 250V, 500V, 1000V), Non-trip loop impedance, Line Impedance, PFC, PSC, RCD trip current, RCD trip time, RCD Auto test sequence, Voltage / Frequency, Phase rotation.

Applications

The PowerPlus 1557 is used for inspection and testing of fixed installations.

 **SEAWARD**

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POWERPLUS 1557 SPECIFICATIONS

SPECIFICATION

Earth Continuity

Test Current	>200mA
Display Range	0.00ohms - 200ohms
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, 1000V
Display Range	0.00Mohms – 200Mohms
Resolution	0.01Mohms maximum
Live Circuit Detection Test	inhibit if >30V detected

Loop/Line Impedance (Non-tripping & High Current)

Supply Voltage	195 – 253V/440V, 45Hz – 65Hz
Test Current	15mA (non tripping for RCD protected circuits)
Test Current	3A (for non 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 Δ n 0ms – 300ms at I Δ n general 0ms – 500ms at I Δ n selective 0ms – 40ms at 5x I Δ n
Auto Test	Auto sequence for 1/2 I Δ n, I Δ n and 5x I Δ 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 Δ n to 1.1 I Δ n

Voltage/Frequency Measurement

Display Range	0 – 440V
Resolution	1V
Frequency	Measuring Range 45 – 65Hz

Phase Rotation

Displays	L1-L2-L3 for correct phase sequence
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ADDITIONAL INFORMATION

Compliance	IEC 61010-1 300V CAT III, EN 61557
Dimensions	260 x 100 x 55
Weight	950g
Power Supply	6 x AA NiMH Rechargeable

PART NO: PowerPlus 1557 (363A912) PART NO: PowerPlus 1557 & PowerPlus PC (363A910)

Product Includes

- 2 year warranty
- 6 x NiMH Rechargeable batteries
- Charger
- 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:

 POWERPLUS PC	(375A910)
 POWERGUARD PRO 2	(355A910)
 POWERGUARD PRO MOBILE 2	(355A920)

Other products in this range

- PowerTest 1557 (328A910)
- ERT 1557 (362A910)
- PowerCheck 1557 (369A910)