

# POWERCHECK 1557

The ONLY comprehensive PAT and Installation verification instrument



The PowerCheck 1557 is the only comprehensive PAT and Installation instrument verification system in one rugged, drop-proof enclosure. It tests to BS 7671, BS EN 61557, IET On-site Guide and IEE Code of Practice. It has full instrument verification against all relevant standards and confirms performance between verifications (this is information required by NICEIC, ELECSA, Corgi and others). PowerCheck tests for Full Earth Continuity, Insulation Resistance, RCD Trip Time, RCD Trip Current, Loop, PE Conductor Current, Touch Current and Flash test verification.

## Key Features

- Rugged and robust
- Tests to BS7671 / EN 61577 / IEE Code of Practice
- Confirm performance
- NICEIC & IET compliant
- Colour coded for ease of use
- Compatible with all installation and PAT testers

## Ideal Users

- Electricians
- Service engineers
- Electrical contractors



Web: [www.seaward.co.uk](http://www.seaward.co.uk) Email: [sales@seaward.co.uk](mailto:sales@seaward.co.uk)

## Seaward

Bracken Hill,  
South West Industrial Estate,  
Peterlee, SR8 2SW

Tel: +44 (0) 191 5863511

Fax: +44 (0) 191 5860227

# POWERCHECK 1557 SPECIFICATIONS

## SPECIFICATIONS - IINSTALLATION TEST INSTRUMENTS

### Earth Continuity Verification

Test current	In >200mA indication
Test voltage	4V < Un > 24V indication
Test resistances	0.5ohm and 2ohm

### Insulation Resistance Verification

Open circuit test voltage:	250V < Un < 375V indication 500V < Un < 750V indication 1000V < Un < 1500 indication
Test current	In >1mA into 1000ohm/V
Max test current	Ik <2mA
Test resistances	0.25Mohm, 0.5Mohm, 1.0Mohm

### Earth Loop Verification

Test values	Loop, Loop+1ohm, Loop+180ohm
-------------	------------------------------

### RCD Verification

Trip current	10mA, 30mA, 100mA
Trip Times	20ms, 40ms, 500ms
Test current multiplier	1/2Δn, IΔn and 5 IΔn verification

### Voltage Verification

Test Voltage	240V AC rms test output
--------------	-------------------------

## PAT FUNCTIONS

### Earth continuity verification

Test resistances	0.2ohm and 2ohm
------------------	-----------------

### Insulation Resistance verification

Test resistances	500kohm, 1Mohm and 2Mohm
------------------	--------------------------

### PE Conductor current

Test currents*	0.1mA, 0.25mA and 0.5mA
----------------	-------------------------

### Flash Test current

Test currents*	0.5mA, 1mA and 1.5mA
----------------	----------------------

## ADDITIONAL INFORMATION

Power supply	230V AC ±10%
Dimensions / Weight	210mm x 145mm x 85mm / 1kg

\*actual values are dependent upon mains supply voltage. Tabulated values for mains voltages of 210V to 250V are supplied with the instrument.

PowerCheck 1557 part no: 369A910



WORLD LEADERS IN SAFETY TEST AND MEASUREMENT

Seaward test and measurement companies include:

**CLARE**  
INDUSTRIAL SAFETY INSTRUMENTS

**RIGEL**  
MEDICAL

**CROPICO**  
PRECISION INSTRUMENTS

**SEAWARD**  
PORTABLE ELECTRICAL SAFETY INSTRUMENTS