

# 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
- Does not trip RCD protected circuits

## Ideal Users

- Electricians
- Service engineers
- Electrical contractors



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# 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<br>500V < Un < 750V indication<br>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 | 240mm x 190mm x 108mm / 2.9kg |

\*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



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