SEAWARD

# PrimeTest 250+

## A fantastic value simple-to-use PAT tester with a comprehensive range of tests, data storage, label printing features and free datalogger software.

The PrimeTest 250+ offers fast and efficient electrical safety testing with label printing and data storage, including free datalogger software.

Enabling simple, professional and fast PAT testing, this versatile tester features all of the required tests of the IET 4th Edition Code of Practice along with USB download. It is also fully compatible with the new Test n Tag Pro serial printer for quick and easy label printing without any setup required – just plug and print.

A Seaward datalogger program is supplied as standard and this along with the single key download feature allows measurement data to be quickly and easily transferred from the PrimeTest 250+ to PC at the press of a button; whilst all records are date stamped for complete traceability.

Data is downloaded in CSV format and can be accessed by a wide range of software packages or alternatively imported directly into PATGuard 3 Elite for truly professional reports and certificates.

As with all Seaward battery powered PAT testers, accurate earth continuity tests are a given thanks to the unique patent pending “zap” circuit design.

### Key Features

- Very easy to use
- Plug and print - easy label printing with no setup
- Date stamped results for full traceability
- Single key save
- Single key download
- Download software included
- Store 999 appliance records
- Industry standard download format
- Comprehensive range of electrical tests
- Test 3 phase appliances

### Electrical Test Functions

- Low current earth continuity test guaranteeing accurate measurement (patent pending)
- Insulation resistance at 250/500V
- IEC lead test
- Protective conductor current
- Touch current
- 3 Phase leakage current (requires adaptor)
- Alternative leakage current
- RCD test (30mA/150mA)
- Power socket test

### PrimeTest 250+ Users

- Professional PAT Testers
- Service Engineers
- Facilities Managers

**www.seaward.co.uk/primetest250plus**

**Tel:** +44 (0) 191 587 8741
**Email:** sales@seaward.co.uk

## ▶ Fast, simple PAT testing

With Seaward's press to test technology, the PrimeTest 250+ is extremely simple to grasp. Its light weight and small size along with battery power mean it is highly portable.

The PrimeTest 250+ offers a comprehensive suite of fast and accurate electrical safety tests to enable almost any workplace appliance to be tested, including accurate and reliable earth continuity tests (patent pending), 3 phase appliances and Residual Current Devices.

## ▶ Plug and Print

The PrimeTest 250+ can be used in conjunction with the new Test n Tag Pro serial printer to further speed up the process of testing and labelling.

The Test n Tag Pro label rolls provide over 400 high quality labels allowing you to produce professional, low cost inspection and test labels at the press of a button.

## ▶ Simple data management

PrimeTest 250+ has an internal memory capable of storing up to 999 appliance test records and the single key save allows records to be stored at the press of a button.

Transfer data via a USB cable directly to a PC using the free datalogger software. The data downloads in the industry standard CSV format and can be read directly into spreadsheets or other PC applications.

For those who require professional reports and certificates as well as complete data traceability and integrity, the downloaded data is also fully compatible with Seaward's PATGuard 3 Elite software; which allows complete test records to be easily managed on a PC – offering total peace of mind and quicker, easier management of scheduling inspections and tests.

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## ▶ Accurate and reliable earth continuity testing

Some test instruments struggle to provide accurate and consistent earth continuity readings but thanks to a unique ‘zap circuit’ from Seaward (patent pending), erratic earth continuity readings on those difficult to test appliances are a thing of the past.

Simply clip on and press to test. No more pressing or scraping with test probes or clips on chrome plated kitchen appliances trying to obtain a satisfactory reading – and no more surface damage on the appliance under test. Go to www.seaward.co.uk/zap-circuit for more information

## ▶ Accessory bundles

PrimeTest 250+ is supplied as standard with:

- **FREE** Datalogger software
- 0.5m extension adaptor
- Earth lead with probe and clip
- Mains lead
- 6 x AA batteries
- USB download lead
- Carry case
- Operating instructions

The PrimeTest 250+ is also available to buy with a selection of optional accessory bundles to help you get the most out of your tester.

| Optional accessory Bundles available: | | Part Number |
|---|---|---|
| **Pro Bundle** | ■ Test n Tag Pro printer (serial model)<br>■ 4 x Test n Tag printer label rolls<br>■ PrimeTest checkbox<br>■ PATBag carry case<br>■ Cloverleaf adaptor<br>■ PAT Training DVD<br>■ Guide to PAT testing | PrimeTest 250+ & Pro Bundle Part number 403A956 |
| **Pro Bundle with Software** | ■ PATGuard 3 Elite 1yr license card<br>■ Test n Tag Pro printer (serial model)<br>■ 4 x Test n Tag printer label rolls<br>■ PrimeTest checkbox<br>■ PATBag carry case<br>■ Cloverleaf adaptor<br>■ PAT Training DVD<br>■ Guide to PAT testing | PrimeTest 250+ & Pro Bundle with software Part number 403A957 |
| **Elements Bundle** | ■ PATGuard Elements software<br>■ 1000 Pass labels<br>■ 100 Fail labels<br>■ PrimeTest Checkbox<br>■ Cloverleaf adaptor<br>■ PAT Training DVD<br>■ Guide to PAT testing<br>■ PAT logbook<br>■ PATBag carry case | PrimeTest 250+ & Elements Bundle Part number 403A955 |

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# Technical Specifications

**Earth Continuity**

| | |
|---|---|
| Output Current: | 200mA minimum into 2Ω |
| Test Voltage (o/c): | 9V DC nominal |
| Test Duration (Class I Test): | 2s nominal |
| Display Range: | 0.01 ohm to 19.99 ohm |
| Pass Value (Class I Test): | 0.2Ω |

**Insulation Resistance**

| | |
|---|---|
| Test Voltage: | 250/500VDC @1mA nominal, |
| Test Current: | < 2mA (s/c) |
| Test Duration (Class I or II): | 2s |
| Display Range: | 0.01 Mohm to 19.99 Mohm |
| Pass Value: | 1.0 MΩ Class I<br>2.0 MΩ Class II |

**Equivalent Leakage**

| | |
|---|---|
| Test Voltage: | 40V Nominal AC 50Hz Open Circuit |
| Test Duration: | 2s |
| Display Range: | 0.1 mA to 19.99mA |
| Pass Value: | 0.75mA/3.5mA (user selectable with 0.75mA as default)/0.25mA CL II |

**IEC Lead Test**

| | |
|---|---|
| Test voltage: | 5V DC nominal |
| Test Duration: | Time for test (2s max) |
| Test: | Live / Neutral Checks for o/c, s/c and crossed |

**Protective Conductor Current**

| | |
|---|---|
| Test Voltage: | Supply Voltage, max current 13A |
| Test Duration: | 120s maximum |
| Display Range: | 0.15 mA to 9.99 mA |
| Pass Value: | 0.75mA/3.5mA (user selectable with 0.75mA as default) |

**Touch Current**

| | |
|---|---|
| Test Voltage: | Supply Voltage, max current 13A |
| Test Duration: | 120s maximum |
| Display Range: | 0.10 mA to 3.50 mA |
| Pass Value: | 0.25mA |

**3 phase leakage current (Requires 3 phase adaptor accessory)**

| | |
|---|---|
| Test Voltage: | 3 phase supply voltage |
| Test Duration: | Continuous measurement |
| Display Range: | 0.10 mA to 9.99 mA |
| Pass Value: | 0.75mA/3.5mA (user selectable with 0.75mA as default) |

**RCD Trip Time**

| | |
|---|---|
| RCD Type: | Plugtop and fixed installation |
| Test Voltage: | Mains supply voltage |
| Test Current: | 30mA/150mA rms sinusoidal |
| Test Current Phase: | 0°/180° auto switched on alternate tests |
| Measuring Range: | 0ms – 500ms |
| Pass Value: | 200ms |

**Power Socket Check**

| | |
|---|---|
| Input Voltage Range: | 225 - 254V AC max current 13A UK |
| Indicates configuration: | Line potential phase to earth |
| of voltage potential:- | Line potential phase to neutral |
| | Line potential neutral to earth |

**General**

| | |
|---|---|
| Memory size: | 999 test records |
| Power source: | 6 x AA batteries |

**Standard Accessories (supplied with PrimeTest 250+)**

Datalogger software
0.5m extension adaptor
Earth lead with probe and clip
Mains lead
6x AA batteries
USB download lead
Carry case
Operating instructions

**Optional Accessories**

Test n Tag Pro serial printer and labels
230-110V adaptor
3 phase adaptors for Rpe & IR Star 16A, 32A, Delta 16A, 32A
TPA Series 3-Phase leakage adaptor 16A. 32A
PATGuard 3 software – Download the free trial at www.seaward.co.uk/pg3trial
PATBag carry case

**Training**

Seaward offer a range of PAT testing courses, including City & Guilds. Go to www.seaward.co.uk/training for more information

**Services**

2 year warranty subject to product registration with Seaward
Service & calibration by Calibrationhouse

PrimeTest 250+ part number: 403A910
PrimeTest 250+ with Pro accessory bundle part number: 403A956
PrimeTest 250+ with Pro accessory bundle & PATGuard 3 software part number: 403A957
PrimeTest 250+ with Elements bundle part number: 403A955



Part of SEAWARD GROUP

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