

# PrimeTest 250+

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

The PrimeTest 250+ offers fast and efficient electrical safety testing with label printing and data storage.

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 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 “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
- 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



### ► 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, 3 phase appliances and Residual Current Devices.



### ► Plug and Print

The PrimeTest 250+ can be used in conjunction with the 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 supplied 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.



### ► 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, 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](http://www.seaward.co.uk/zap-circuit) for more information



### ► Accessory bundles

PrimeTest 250+ is supplied as standard with:

- 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
<b>Pro Bundle</b> <ul style="list-style-type: none"> <li>■ Test n Tag Pro printer (serial model)</li> <li>■ 4 x Test n Tag printer label rolls</li> <li>■ PrimeTest checkbox</li> <li>■ PATBag carry case</li> </ul> Includes PrimeTest 250+ tester	403A956
<b>Pro Bundle + software</b>	403A957
<b>Elements Bundle</b> <ul style="list-style-type: none"> <li>■ PATGuard Elements software</li> <li>■ Online PAT training course and exam</li> <li>■ 1000 Pass labels</li> <li>■ 100 Fail labels</li> <li>■ PrimeTest Checkbox</li> <li>■ Cloverleaf adaptor</li> <li>■ Guide to PAT testing</li> <li>■ PAT logbook</li> <li>■ PATBag carry case</li> </ul> Includes PrimeTest 250+ tester	403A955



## Technical Specifications

### Earth Continuity

Output Current	200mA minimum into 2Ω
Test Voltage (o/c)	9VDC nominal
Test Duration (Class I Test)	2s nominal
Display Range	0.01 - 19.99Ω
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 - 19.99MΩ
Pass Value	1.0MΩ Class I 2.0MΩ Class II

### Equivalent Leakage

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

### IEC Lead Test

Test Voltage	5VDC 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 - 9.99mA
Pass Value	0.75/3.5mA (user selectable with 0.75mA as default)

## General Specifications

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 with small labels (339A933)  
Roll of small labels (approx. 350 off 52x25mm labels) (339A947)  
230 - 110V test adaptor (270A076)  
110V to IEC adaptor (344A050)  
PAT checkbox (227A910)  
3 Phase Leakage Adaptor 5 Star 16A (391A920)  
3 Phase Leakage Adaptor 5 Star 32A (391A910)  
3 Phase Adapter Delta 4 pin 16A 415V (for Rpe & IR) (209A910)  
3 Phase Adapter Star 5 pin 16A 415V (for Rpe & IR) (209A911)  
3 Phase Adapter Delta 4 pin 32A 415V (for Rpe & IR) (209A912)  
3 Phase Adapter Star 5 pin 32A 415V (for Rpe & IR) (209A913)  
PATBag carry case (71G099)  
PATGuard 3 software – download 30 day free trial at  
[www.seaward.co.uk/pg3trial](http://www.seaward.co.uk/pg3trial)

### Touch Current

Test Voltage	Supply voltage, max current 13A
Test Duration	120s maximum
Display Range	0.10 - 3.50mA
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 - 9.99mA
Pass Value	0.75/3.5mA (user selectable with 0.75mA as default)

### RCD Trip Time

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

### Power Socket Check

Input Voltage Range	225 - 254VAC max current 13A UK
Indicates Configuration of Voltage Potential-	Line potential phase to earth Line potential phase to neutral Line potential neutral to earth

### Training

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

### Services

2 year warranty (subject to terms and conditions, available at  
[www.seaward.co.uk/warranty24](http://www.seaward.co.uk/warranty24))  
Service & calibration by Calibrationhouse.  
Go to [www.calibrationhouse.com](http://www.calibrationhouse.com) for more information

### Part Numbers

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