PrimeTest 250+

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



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 5th 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 – just plug and print.

A Seaward datalogger program is available as standard and this along with the simple 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 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.

Why buy the PrimeTest 250+?

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

DESIGNED & BUILT IN GREAT BRITAIN

KEEPING PEOPLE SAFE FOR OVER 35 YEARS

To see the **PrimeTest 250+** for yourself, request your live online demonstration today at **seaward.com/primetest250plus**

SEAWARD
ELECTRICAL SAFETY TESTING & MEASURING.

T: +44 (0) 191 587 8741 **E:** sales@seaward.com

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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 means 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.

The ability to change pass/fail limits, test voltages 250v/500v, skip earth continuity if the appliance has no exposed earthed parts and even carry out an earth continuity on Class 2 FE appliance meaning that you are in control of the tests that are carried out.

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.

Simple Data Management
The 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 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.



Electrical Test Functions

- Low current earth continuity test guaranteeing accurate measurement
- Class 2 FE earth continuity
- Insulation resistance at 250V/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

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Technical Specification:

Earth Continuity

Output Current	200mA minimum to 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)	0.1/0.2/0.3 Ω

Insulation Resistance

Test Voltages	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 2.0MΩ Class II

Substitute Leakage

Test Voltage	40V Nominal AC 50Hz Open Circuit
Test Duration	2s
Display Range	0.1 – 19.99mA
Pass Value	5.0mA

IEC Lead Test

Test Voltage	5VDC nominal
Test Duration	Time for test (2s max)
Test	Line/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 – 19.99mA
Pass Value	5.0mA

Touch Current

Test Voltage	Supply voltage, max current 13A
Test Duration	120s maximum
Display Range	0.10 - 5.0mA
Pass Value	5.0mA

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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	5.0mA

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 phase to earth

General Specifications

Dimensions	265mm x 105mm x 52mm (h x w x d)
Weight	800g
Memory Size	999 test records
Power Source	6 x AA Batteries

Standard Accessories (Supplied with PrimeTest 250+)

Datalogger software (via download), 0.5m extension adaptor, earth lead with probe and clip, mains lead, 6x AA batteries, USB download lead, carry case, operating instructions

Part Numbers

Optional Accessory Kits

Pro Bundle (For automatic label printing) PrimeTest 250+ tester, PATBag carrying case, Cloverleaf adaptor, Pro Labels (labels 52 x 25mm), Test n Tag Pro Serial Printer, PrimeTest Checkbox, Guide to PAT Testing Booklet, Training card	403A956
Pro Bundle with 1 year PATGuard 3 software PrimeTest 250+ tester, PATBag carrying case, Cloverleaf adaptor, Pro Labels (labels 52 x 25mm), Test n Tag Pro Serial Printer, PrimeTest Checkbox, Guide to PAT Testing Booklet, Training card, 1 year PATGuard 3 licence	403A957

Instrument Only

PrimeTest 250+	403A910

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Optional Accessories

Test n Tag Pro Printer	339A933
Roll of small labels (approx. 400 off 52 x 25mm)	339A947
110V to IEC adaptor	344A050
230 to 110V adaptor	270A076
PATCheckbox	227A910
3 Phase Leakage Adaptor 5 Star 16A	391A920
3 Phase Leakage Adaptor 5 Star 32A	391A910
3 Phase Adaptor Delta 4 pin 16A 415V (for Rpe & IR)	209A910
3 Phase Adaptor Star 5 pin 16A 415V (for Rpe & IR)	209A911
3 Phase Adaptor Delta 4 pin 32A 415V (for Rpe &IR)	209A912
3 Phase Adaptor Star 5 pin 32A 415V (for Rpe &IR)	209A913
PATBag Carry Case	71G099

PATGuard 3 software – download 30 day free trial at **seaward.com/pg3trial**

Training

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

Services

2 year warranty (subject terms and conditions, available at **seaward.com/register**)

Service and calibration by Calibration House.
Go to **calibrationhouse.com** for more information.

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Rev 3

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