

# Supernova Elite

## A comprehensive, dual voltage PAT with flash test

The Supernova Elite is a ruggedly put together, comprehensive tester that you'll find indispensable. It will carry out a wide range of tests, including flash testing and RCD trip time. It is the only PAT tester on the market to have true dual voltage capability, meaning it can be powered by 230V or 110V supply whilst carrying out either 230V or 110V tests.

The Supernova Elite is packed with incredibly useful features, like a 5000 test record memory, storing locations, user, test status and date which can be downloaded to a PC. It has a serial port for the connection of a barcode reader, printer or both if using our recommended adaptor.

A large LCD display and clear walk-through instructions for each test make it easier to use and it downloads quickly. The QWERTY keyboard makes entering asset information straightforward.

Asset management is supported by our PATGuard 3 Elite software.

Supplied as standard with earth lead, 110V adaptor, dual serial port adaptor, 9 way computer lead and flash probe.

### Key Features

- True dual voltage for testing both 230V & 110V appliances, whether the tester is powered by a 230V or 110V supply
- Rugged enclosure can withstand the harshest of environments
- Large, easy to read display
- Proven to be extremely reliable, accurate and hardworking

### Ideal For

- Testing 110V tools and appliances
- Testing on a 110V or 230V supply
- Testing equipment that requires a flash test e.g. hire equipment



## Technical Specifications

### Earth Continuity

Test Currents	25A, 10A, 4A, AC
Display Range	0.00ohms - 19.99ohms
Pass Value	User Defined
Measurement Technique	4 Wire Measurement, Floating Earth

### Earth Screen Continuity

Test Current	100mA
Display Range	0.00ohms - 19.99ohms
Pass Value	User Defined
Measurement Technique	4 Wire Measurement, Floating Earth

### Insulation Resistance

Test Voltage	250V, 500VDC
Display Range	0.1Mohms - 100Mohms
Pass Value	User Defined

### Flash

Test Voltage Class I	1500V rms
Test Voltage Class II	3000V rms
Display Range	0.05mA- 2.5mA
Pass Value	User Defined

### RCD Trip Time Test

Test Current	30mA
Display Range	0ms - 500ms
Pass Value	200ms

### Protective Conductor Current

Test Voltage	230V/110V
Display Range	0.1mA - 10mA
Pass Value	User Defined

### Touch Current

Test Voltage	230V/110V User Selectable
Display Range	0.1mA - 2.0mA
Pass Value	User Defined

### Substitute Leakage

Test Voltage	40VAC Nominal
Display Range	0.1mA - 2.0mA
Pass Value	User Defined

### Load Test

Display Range	0kVA - 4.2kVA
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### IEC Lead Polarity

Tests Performed	Live/Neutral Continuity and Polarity
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## General Specifications

### Operating Voltage

Voltage Range	103V - 126V, 207V - 253V, 45Hz - 65Hz
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### Weight / Dimensions

Weight & Dimensions	9.5Kg/40cm (l) x 32cm (w) x 16cm (d)
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### Interfaces

Keyboard	QWERTY
Display Graphic	LCD - 1/4 VGA (320x240 pixels)
Connectivity	RS232 Port Connection Parallel Port Connection

### Standard Accessories (supplied with Supernova Elite)

30 day free trial of PATGuard 3 Elite software
Earth lead
110V adaptor
Dual serial port adaptor
9-way computer lead
Flash probe

### Supernova Elite

Part Number	283A936
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### Optional Accessories

194A922	CCD Scanner
283A969	Modem Kit
312A916	Desk Test n Tag printer (with 100x50mm labels)
312A973	Desk Test n Tag printer (with 35x45mm labels)
288A910	Braincell Wand
288A953	Braincells
227A910	PATCheckbox

### Optional Accessory Kit

Kit includes:

- Supernova Elite
  - PATGuard 3 Elite software 1 year licence
  - Desk Test n Tag printer with labels: A desktop thermal transfer printer that produces durable tamper-proof labels, available in a range of different colours and sizes (includes x1 label roll)
  - CCD Barcode Scanner
  - Carry Case
  - Calibration Certificate
  - Seaward Guide to PAT testing
- Kit part number 323A913

### Software

PATGuard 3 Elite software	Download the free trial at <a href="http://www.seaward.co.uk/pg3trial">www.seaward.co.uk/pg3trial</a>
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### Training

Seaward offer a range of training courses. Go to [www.seaward.co.uk/training](http://www.seaward.co.uk/training) for more information

### Services

1 year standard warranty  
Service and Calibration by Calibrationhouse.  
Go to [www.calibrationhouse.com](http://www.calibrationhouse.com) for more information.