

## TIS Kits



### Supernova Plus TIS Kit

- Supernova Plus
- PatGuard Plus
- Test 'n' Tag Kit
- Calibration Certificate
- PatGuard Plus Support Contract
- Guide to PAT Testing CD

### Europa Plus TIS Kit

- Europa Plus
- PatGuard Plus
- Test 'n' Tag Kit
- Calibration Certificate
- PatGuard Plus Support Contract
- Guide to PAT Testing CD

### Total Integrated Solution Kits

Two new packages have been put together known as our Total Integrated Solution (TIS) Kits. The Kits comprise all the parts either a beginner or someone with years of experience might require and were based on the efficiencies that the integration between our Supernova/Europa Plus testers, software PATGuard Plus and the Test 'n' Tag labelling system provides.



## Supernova Plus – Technical Specification

### EARTH CONTINUITY

Output Currents: 25A, 10A, 4A, AC into S/C  
Test Voltage: 6V rms o/c  
Ranges: 0.04 - 20 ohms  
Accuracy:  $\pm 5\%$  of reading  $\pm 2$  digits  
Resolution: 0.01 ohms  
Pass Range: Selectable  
(continuously variable)  
Misc. 4 wire measurement, floating earth  
Test voltages / currents are nominal at 230/110V supply

### EARTH SCREEN TEST

Test Voltage: 100mV nominal (no load)  
Test Current: 100mA (into s/c load)  
Range: 40m $\Omega$  - 19.99 $\Omega$   
Resolution: 0.01 $\Omega$   
Accuracy:  $\pm 5\%$  of reading,  $\pm 2$  digits upto 5.00 $\Omega$   
Pass Levels: Selectable  
Misc: 4-wire measurement, floating earth

### INSULATION TEST

Measuring Range: 100K - 100 M ohms  
Test Voltage: 250V, 500V DC  
Accuracy:  $\pm 5\%$  of reading  $\pm 2$  digits <20M ohm  
Resolution: 0.01 M ohms (<100 M ohms)  
Pass Range: Selectable

### FLASH

Voltage Class I 1500V mns  
Voltage Class II 3000V rms  
Range: 0.05 mA - 2.5mA  
Resolution: 0.01 mA  
Accuracy:  $\pm 5\%$  of Reading  $\pm 2$  digits  
Pass Range: Selectable

### SUBSTITUTE LEAKAGE

Voltage: 40V ac nominal at 230/110v supply  
Range: 0.1 - 20mA  
Resolution: 0.01 mA  
Accuracy:  $\pm 10\%$  of Reading  $\pm 2$  digits 1-20mA  
Pass Range: Selectable

### LOAD TEST

Load: 0 - 4.2KVA

### LEAKAGE

Range: 0.1 - 10mA  
Resolution: 0.01 mA  
Accuracy:  $\pm 5\%$  of Reading  $\pm 2$  digits  
Pass Range: Selectable

#### TOUCH LEAKAGE

Range: 0.1 - 2.0mA  
Resolution: 0.01 mA  
Accuracy:  $\pm 10\%$  of Reading  $\pm 2$  digits  
Pass Range: Selectable

#### POLARITY

Tests Performed: L/N Continuity and Polarity

#### OPERATING VOLTAGE

Voltage Range: 103V - 126V, 207V - 253V 45Hz - 65Hz

#### INTERFACES

User Interface

Keyboard

QWERTY

Display

Graphic LCD - 1/4 VGA (320x240 pixels)

#### WEIGHT / DIMENSIONS

9.5Kg / 400mm x 320mm x 160mm (closed)



## Test 'n' Tag – Technical Specification

### PRINTING

Thermal transfer printing  
Resolution: 12dots per mm 300dpi  
Max.print width: 24.7mm (0.97")  
Max.label width: 25.4mm (1")  
Max.print length: 508mm (20")  
Maximum 50mm per second (2")

### DIMENSIONS

Printer: 152mm L x 95mm W x 101mm H

#### **Electrical specifications and approvals:**

AC adaptor supplied  
Output 14VDC, 1.6Amp – UL listed, CSA  
Certified, TUV "GS" approval and CE  
Meets VDE-B and FCC part 15 class B RFI limits

### ENVIRONMENTAL

Operating temp: 45F to 105F (7C to 40C)

#### **Supply cartridge storage temperature**

60F to 105F (15C to 40C) shelf life is reduced at higher temperatures – damage may occur at temperatures as high as 120F (50C)

#### **Operating / storage humidity limit:**

90% RH  
Non- condensing

### LABELS

Black on Yellow / 12 metres in length = approx 145 labels per cartridge  
Industrial Cast Vinyl  
Label size: Panel label = 25.4mm W x 83mm L  
Cable wrap label = 25.4mm W x 122mm L



## **PATGuard Plus – Technical Specification**

### **Product Format**

CD activated demo

### **Platform**

Windows 98/95, Windows NT, Windows 2000, Windows XP

### **Database Import**

PATs/Safety First (DOS) v5.2 or later  
PATs+/Safety First+ (DOS) v5.2 or later  
PATswin v2.0  
Multiple Imports

### **Presentation**

Schematic & tabular form

### **Data Export**

To file  
To email

### **Reports**

View, Print, Save as File, email Barcode reports, Barcode labels, Customised Reports  
Viewer Program  
Tester Calibration details

### **Tester comment field data capture**

Data and reference codes

### **PAT Tester download**

Seaward PAT1000/2000 series  
Seaward Supernova/Europa series (PATs+ output)  
Seaward Supernova/Europa series (SSS output)  
Avo PAT4  
Smart PAT5000  
Metropat+

### **Password Protection**

Multiple user access with restrictions