

Supernova Plus

Standard Features

- Accurate Earth Bond and Leakage Measurements even when multiple Earth Paths exist.
- Multi Voltage In/Multi Voltage Out.
- Has up to 6000 Memory Locations containing appliances sites, locations, user, test status and date.
- Dual Voltage test capability.
- Modem Capability.
- Summary Format.
- Polarity Lead Test capability.
- Tests IT equipment.
- Real time clock and non-volatile memory.
- Capable of printing barcode labels in conjunction with thermal printer.
- Connects to PC, barcode reader, Brain Cells Scanner and printer.
- Compatible with Seaward's PATGuard Software.
- Parallel printer port.
- Auto test code generation.
- User defined HELP Screens.
- Superfast download up to 10 times quicker than existing testers.

New PLUS Features

- Performs in-line Earth Bond and Touch Leakage tests while the equipment under test remains powered up – greatly reducing test times.
- Unit incorporates Results Comparison Software.
- 2 Serial Ports – use a bar-code scanner and printer together.
- Earth Cable Length Calculator.
- Automatic Generation of Appliance ID's.
- Single Screen Visual Test.
- Includes FREE Downloader Software - PATSLite



Based on the award winning Supernova Seaward are pleased to introduce the Supernova Plus. The Supernova Plus unit is a dual voltage tester, with Flash Capability, that is capable of testing IT equipment. Radical new features ensure that the Supernova Plus unit allows you to test any appliance, with any supply, giving you absolute flexibility in your testing procedure.

To enable test operators to determine progressive deterioration or potential faults in the equipment under test, the Supernova Plus incorporates specially developed software that compares successive test results taken on the same item of electrical equipment.

The Supernova Plus incorporates a number of new innovative features to make electrical safety testing faster and more convenient for the operator. These include:

- The unit has increased data storage capacity to enable up to 6000 memory locations. Ability to perform in-line testing for earth bond and touch leakage while the equipment remains powered up – greatly reducing test times.
- Inclusion of two serial ports for the concurrent use of a bar code scanner and a printer. This facility also enables the automatic print out of results immediately after a test has been completed.
- Earth cable length calculator to set earth bond limits, and the automatic increment of appliance IDs, to further speed up the test process.

Compatibility with Seaward's powerful PAT Management software, PATGuard, provides a complete PAT Testing solution. The new Supernova Plus test unit comes with FREE downloader software in order to ensure the testing and information gathering process is as convenient as possible.



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 ± 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 Ω - 19.99 Ω
Resolution: 0.01 Ω
Accuracy: $\pm 5\%$ of reading, ± 2 digits upto 5.00 Ω
Pass Levels: Selectable
Misc: 4-wire measurement, floating earth

LOAD TEST

Load: 0 - 4.2KVA

LEAKAGE

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

OPERATING VOLTAGE

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

WEIGHT / DIMENSIONS

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

INTERFACES

User Interface
Keyboard QWERTY
Display Graphic LCD - 1/4 VGA (320x240 pixels)

INSULATION TEST

Measuring Range: 100K - 100 M ohms
Test Voltage: 250V, 500V DC
Accuracy: $\pm 5\%$ of reading ± 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 ± 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 ± 2 digits 1-20mA
Pass Range: Selectable

POLARITY

Tests Performed: L/N Continuity and Polarity

TOUCH LEAKAGE

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

