



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:	±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:	40mΩ - 19.99Ω
Resolution:	0.01Ω
Accuracy:	+/- 5% of reading, +/- 2 digits upto 5.00Ω
Pass Levels:	Selectable
Misc:	4-wire measurement, floating earth

INSULATION TEST

Measuring Range:	100K - 100 M ohms
Test Voltage:	250V, 500V DC
Accuracy:	±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:	±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:	±10% of Reading ±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 ± 2 digits
Pass Range: Selectable

TOUCH LEAKAGE

Range: 0.1 - 2.0mA
Resolution: 0.01 mA
Accuracy: $\pm 10\%$ of Reading ± 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)