STM/L

Semi-automatic and manual manufacturing/luminaire tester that tests earth/ground bond, hipot, DC insulation resistance, leakage, load and power.

SafeTest Manufacturing/Luminaire (STM/L) can be used as a simple manual electrical safety tester or with varying degrees of automatic test sequencing.

The electrical safety tester performs earth bond testing, insulation resistance testing, flash testing/hipot testing, leakage testing, short-to-line and run/load tests. It is easy to operate with a full QWERTY keypad and/or barcode scanner, and includes full-on screen user instructions.

The STM/L meets the needs of manufacturers who require a range of fundamental safety tests to be carried out on a variety of electrical and electronic products for UKCA, CE and other international standards.

All tests are individually seletable and STM/L's internal memory has the capacity to store the results of 6,000 tests.

An optional safety label printer enables the automatic production of test tags, labels and test reports. Clever use of the optional barcode scanner (for product identification and tester configuration) means this product can be integrated easily into typical ISO quality control system.

Why buy the STM/L?

> This comprehensive tester has storage for up to 6,000 test results

> You can carry out manual and semi-automatic test sequences

> You can link the STM/L to a printer so you can print pass and fail labels

> Be EN50191 compliant with the compatible status beacon and guard switch

> Download, store and manage your test results with PATGuard 3 reporting software

STM/L

A comprehensive bench-mounted tester.

Key Features:

> Storage of up to 6,000 test results

> Manual and semi-automatic test sequencing

> Link to a printer for pass/fail identification

> Link to barcode scanner for faster data entry

> Beacon port & guard switch for EN50191 compliance

> Download results to PATGuard 3 software

STM/L Users:

Most appropriate for small scale electrical manufacturers and service/repair centres:

> Production and Manufacturing Engineers/ Managers

> Quality and Health and Safety Managers

> Operations Managers

Electrical Test Functions:

> Earth/ground bond test

> AC/flash/hipot test

> DC insulation resistance

> Leakage test

> Load test

> Power/run test

STM/L

A comprehensive bench-mounted tester.

Technical Specification:

Flash/Hipot Test (Class I)

Test Voltage Class I	1.5kV AC
Display Range	0.1 - 10.00mA
Resolution	0.01mA
Accuracy	+/- 5% +/- 2 digits
Pass Levels	Selectable up to 10mA

Flash/Hipot Test (Class II)

Test Voltage Class II	3.0kV AC
Range	0.1 - 10.00mA
Resolution	0.01mA
Accuracy	+/- 5% +/- 2 digits
Pass Levels	Selectable up to 10mA

Earth/Ground Bond Test

Test Voltage	6VAC (open circuit)
Test Currents	25A, 10A, 4A, 100mA AC into short circuit
Range	0.04 - 20Ω
Resolution	1mΩ
Accuracy	+/- 5% +/- 2 digits
Pass Levels	User selectable

DC Insulation Test

Test Voltages	250V, 500VDC
Range	100k - 50M
Accuracy	+/- 5% +/- 2 digits

Earth Leakage (Load Leakage)

Voltage	Mains supply
Range	0.1 - 20mA
Resolution	0.01mA
Accuracy	+/- 10% +/- 2 digits (1.00 - 20mA)
Pass Levels	Selectable up to 10mA

Substitute Leakage (Short to Case Test)

Voltage	40VAC nominal at 230V/110V supply
Range	0.1 - 20mA
Resolution	0.01mA
Accuracy	+/- 10% +/- 2 digits (1.00 - 20mA)
Pass Levels	Selectable up to 15mA

Power/Run/Load Test

Measured Load	0 - 4.2kVA
Resolution	0.01kVA
Accuracy	+/- 10% of reading, +/- 2 digits

Polarity

Test Performed	Live & neutral continuity & polarity

External Connections

- Serial port
- Guard Switch
- Parallel port
- Beacon

General Specification:

Dimensions (w x h x d)	450 x 410 x 155mm/ 17.7 x 16.1 x 6.1"
Weight	9kg/19.8lb
Operating Voltage Range	103–126V, 207–253V, 45–65Hz
EN 50191	Compliant when used with appropriate accessories

Standard Accessories (Supplied with STM/L)

- HT probe
- Guard with plug
- Calibration certificate
- Earth bond lead
- Instruction manual
- Serial-PC lead (9-9 way)

STM/L

A comprehensive bench-mounted tester.

Part Numbers:

Instrument Only

STM/L	313A910

Optional Accessories

Barcode scanner	194A922
Serial printer lead	283A955
Serial-PC lead (9-25 way)	194A920
Desk Test n Tag printer (supplied with 100x50mm labels)	312A916
Desk Test n Tag printer (supplied with 35x45mm labels)	312A973
Guard switch	DCS317
Beacon	H-5027
Beacon connector lead	H-5028