CLARE

STM/L

Bench mounted comprehensive tester

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 to CE and international standards.

All tests are individually selectable 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 a typical ISO quality control system.

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 scanner for faster data entry
- Beacon port & guard switch for EN50191 compliance
- Download results to PATGuard 3 software

Electrical Test Functions

- Earth / Ground Bond Test
- AC / Flash / Hipot Test
- DC Insulation Resistance
 Leakage Test
- Load Test
- Power / Run Test

STM/L Users

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

Production and Manufacturing Engineers/Managers/Directors

- Quality Managers/Directors
- Operations Managers/Directors





INSTRUMENTS 4 ENGINEERS LTD

Stockport Business & Innovation Centre Broadstone Mill, Broadstone Road Stockport, SK5 7DL, United Kingdom Tel: +44 (0) 161 871 7450 Sales@instruments4engineers.com

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Technical Specification

Flash/Hipot Test (Class I)

Test Voltage Class I Display Range Resolution Accuracy Pass Levels

Flash/Hipot Test (Class II)

Test Voltage Class II Range Resolution Accuracy Pass Levels

Earth / Ground Bond Test

Test Voltage Test Currents

Range Resolution Accuracy Pass Levels

DC Insulation Test Test Voltages Range Accuracy

Earth Leakage (Load Leakage)

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

3.0 kV AC 0.1 – 10.00 mA 0.01 mA +/- 5% +/- 2 digits Selectable up to 10 mA

6V AC (open circuit) 25A, 10A, 4A, 100mA AC into short circuit 0.04Ω - 20Ω 1 mΩ +/- 5% +/- 2 digits

250V, 500V DC 100k - 50M +/- 5% +/- 2 digits

User Selectable

Mains Supply 0.1 – 20mA 0.01 mA +/- 10% +/- 2 digits (1.00 – 20 mA) Selectable up to 10 mA

Substitute Leakage (Short to case test)

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

Power / Run / Load Test

Measured Load Resolution Accuracy

Polarity Test performed

External Connections

Serial Port Parallel Port Guard Switch Beacon 0 – 4.2kVA 0.01 kVA +/- 10% of reading, +/- 2 digits

Live & Neutral continuity & polarity

General Dimensions

Weight Operating Voltage Range EN 50191 450W x 410H x 155D mm

9kg 103V – 126V, 207V – 253V, 45Hz – 65Hz Compliant when used with appropriate accessories

Standard Accessories (Supplied with Safetest Manufacturing/Luminaire)

HT Probe Earth Bond Lead Guard with Plug Instruction Manual

Optional Accessories

194A922 283A955 194A919 194A920 312A950 312A950 312A954 312A952 DCS317 H-5027 H-5028

PATGuard 3 software

Barcode Scanner Serial Printer Lead Serial-PC Lead (9-9 way) Serial-PC Lead (9-25 way) Desk Test n Tag Printer Desk Test n Tag Printer Labels Desk Test n Tag Printer Ribbon Guard Switch Beacon Beacon connector lead





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