

SAFETEST MANUFACTURING

Bench Mounted Comprehensive Tester



Safetest Manufacturing can be used as a simple manual tester or with varying degrees of automatic test sequencing.

It performs earth bond, insulation resistance, flash/hipot, leakage, 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 Safetest Manufacturing 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 Safe Testing Manufacturing'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

- Earth / Ground Bond Test
- AC / Flash / Hipot Test
- DC Insulation Resistance
- Leakage Test
- Load Test
- Power / Run Test
- Storage of test results
- Manual and semi-automatic test sequencing
- Link to a printer and scanner for fast and traceable testing



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Clare

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SPECIFICATION

Flash/Hipot Test (Class I)

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

Flash/Hipot Test (Class II)

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

Earth / Ground Bond Test

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

DC Insulation Test

Test Voltages	250V, 500V DC
Range	100kΩ - 50MΩ
Accuracy	+/- 5% +/- 2 digits

Earth Leakage (Load Leakage)

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

Substitute Leakage (Short to case test)

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

Power / Run / Load Test

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

Optional Accessories

Hardware

194A922	Barcode Scanner
283A955	Serial Printer Lead
194A919	Serial-PC Lead (9-9 way)
194A920	Serial-PC Lead (9-25 way)
312A950	Desk Test n Tag Printer
312A954	Desk Test n Tag Printer Labels
312A952	Desk Test n Tag Printer Ribbon
DCS317	Guard Switch
H-5027	Beacon
H-5028	Beacon connector lead

Software

352A910	PATGuard Elite 2 – Premier
352A920	PATGuard Pro 2 – Professional
352A930	PATGuard Lite 2 - Entry level

Service

Onsite or return to base
Service
Calibration

Order Number

STM



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Polarity

Test performed Live & Neutral continuity & polarity

External Connections

Serial Port
Parallel Port
Guard Switch
Beacon

ADDITIONAL INFORMATION

Mechanical

Dimensions 450W x 410H x 155D mm
Weight 9kg

Electrical

Operating Voltage Range 103V – 126V, 207V – 253V,
45Hz – 65Hz
Operating Temperature 0 – 40°C
EN 50191 Compliant when used with appropriate accessories

Supplied with

HT Probe
Earth Bond Lead
Guard with Plug
Instruction Manual



SEAWARD
GROUP

WORLD LEADERS IN SAFETY TEST AND MEASUREMENT

Seaward test and measurement companies include:

CLARE
INDUSTRIAL SAFETY INSTRUMENTS

CROPICO
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MEDICAL

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PORTABLE ELECTRICAL SAFETY INSTRUMENTS