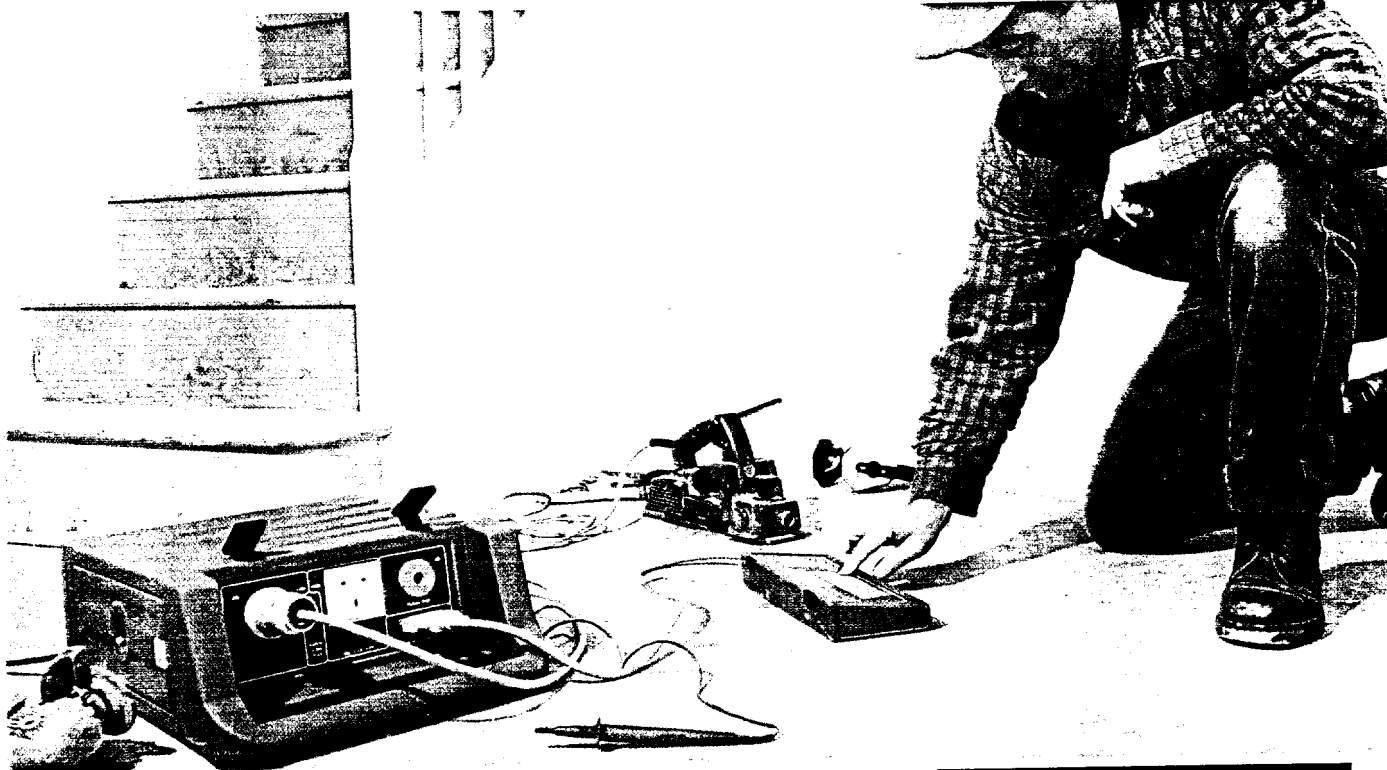


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PAT2000i



The PAT2000i assists organisations in complying with the UK Electricity at Work Regulations.

Meeting the needs of most organisations, the PAT2000i is capable of fulfilling the electrical safety testing requirements for 240V and 110V appliances, including information technology equipment.

Test results can be stored in the tester's memory and downloaded to computer software or printers – providing comprehensive records, demonstrating

compliance with Electricity at Work Regulations.

The PAT2000i's enclosure includes test lead storage compartments and carrying handle. A full QWERTY keypad with LCD allows the control of testing and the recording of notes and appliance data.

Particularly suitable for the professional user, whether electrical contractors or facility managers.

► Features

- Full range of tests, suitable for 240V, 110V and Information Technology equipment
- Stores up to 700 test results, compatible with Seaward's results recording software
- Allows downloading from Seaward's results recording software, giving the user a day's test programme
- Supports barcode readers and scanners for faster testing
- Direct user control for diagnostic or inspection testing

**ADVANCED
DUAL VOLTAGE
PORTABLE
APPLIANCE TESTER**

SEAWARD

> Specification

EARTH CONTINUITY TEST:

Measuring Range	10M Ω - 20.0 Ω , 1M Ω resolution
Accuracy	$\pm 10\%$ ± 2 digits on 1 Ω range
Test Voltage	6Vrms nominal open circuit
Output Current	6.0, 12.0 and 25A nominal into short circuit
Pass Range	0.1 and 0.5 Ω in manual and automatic modes

EARTH SCREEN TEST:

Measuring Range	10M Ω - 20 Ω , 1M Ω resolution
Accuracy	$\pm 10\%$ ± 2 digits on 1 Ω range
Test Voltage	100mV rms nominal open circuit
Output Current	100mA nominal into short circuit
Pass Range	0.1 and 0.5 Ω in manual and automatic modes

INSULATION TEST:

Measuring Range	0.1 - 300M Ω
Accuracy	$\pm 8\%$ ± 2 digits 0.1-50M Ω
Test Voltage	500Vdc nominal
Pass Range	In Service: 0.5M Ω Class I, 1M Ω Class II As New: 2.0M Ω Class I, 7M Ω Class II

FLASH TEST:

Measuring Range	0.3 - 6mA
Accuracy	$\pm 8\%$ $\pm 60\mu A$
Test Voltage	1.5kVrms for Class I, 3kVrms for Class II
Pass Range	3, 5mA selectable

LOAD TEST:

Test Voltage	230V for 13A style plugs
Test Current	230mA at 230V short circuit

OPERATION TEST:

Measuring Range	0 - 3.3kVA
Accuracy	$\pm 5\%$ $\pm 130VA$
Pass Range	500W, 1kW, 2kW and 3.3kW

EARTH LEAKAGE TEST:

Measuring Range	0.2 - 9.9 mA
Accuracy	$\pm 10\%$ $\pm 60\mu A$
Test Voltage	Mains Supply
Pass Range	In Service:- 0.75 mA Class I, 0.25 mA Class II As New:- 3.5 mA Class I, 0.75 mA Class II

IEC LEAD TEST:

Polarity Check	Yes
Test Voltage	6V nominal open circuit
Test Current	0.5A
Indication	Pass / Fail

- N.B. (1) Unless otherwise indicated all pass levels / thresholds are applicable to both "In Service" and "As New" testing.
- (2) Direct User Mode readings are for information only.
- Any references to PASS / FAIL have no meaning in this mode.

The PAT2000i allows testing to both 'As New' and 'In-Service' Pass / Fail levels as detailed in the IEE Code of Practice. In addition if a marginal fail is experienced during the Safety Earth Test, the PAT2000i prompts the input of lead length and protective conductor cross section information. The tester then takes these values into account using resistance values as referenced in the IEE Code of Practice.

> Tests Performed

- Earth Continuity
- Earth Screen
- Earth Leakage
- Flash Test
- Load Test
- Insulation Test
- Operation Test
- IEC Lead Test
- Polarity

> PAT Based Memory

The PAT2000i accepts information from Seaward's PATS or PATS Plus Software. Up to 500 sets of equipment numbers and associated test codes can be stored in the tester, providing a cost effective schedule for the day's testing. Integrity and consistency of testing is achieved and the professional image of the user is maintained.

> Direct User Control

Direct User Control permits the repeat of individual tests. This facility is valuable for diagnostic testing during maintenance or fault investigation.

> Accessories

PAT2000i benefits from a full range of accessories that promote faster and more efficient testing. Accessories include record keeping software, calibration verification tester, extension lead tester, 3 phase adaptors, appliance labels, barcode readers, barcode scanners, printers, training and calibration services. In particular, the PAT2000i has a specially designed carrybag with pockets for tools etc. Further details are available on a separate data sheet "PAT Accessories".

> To Order

PAT2000i Part No. 221A910



Certificate No. Q5356
BS EN ISO 9001:1994

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Due to a policy of continuous development Seaward Electronics Ltd., reserves the right to alter the equipment specification and description outlined in this publication without prior notice and no part of this publication shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract.



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