# MARTINDALE

# easypat 1600 pat tester



The EasyPAT 1600 is a legal minimum tester suitable for high speed low cost testing.

It preserves the 2100's speed of use and simplicity and is an ideal PAT for those needing to do the legal minimum as quickly as possible.

- Does both mandatory tests and has a built in fuse test
- 25A, 8A and 200mA (for computers, etc) earth bond tests selectable with a simple rocker switch
- Incorporates an extension lead tester to test IEC leads (can also be used to test 110V extension leads with a MAREX331 adaptor).

### SPECIFICATIONS

SHEET 1 of 2

ELECTRICAL

Supply Voltage: 230V±10% 50/60Hz Power Consumption: 10/220VA

#### EARTH CONTINUITY TEST (8A & 25A)

**Test Voltage:** 6V AC nominal with no load **Test Current:** 25A AC nom @  $0.1\Omega$  (25A), 8A AC nom @  $0.1\Omega$  (8A) **Display Range:** 0 - 1.99 $\Omega$ **Accuracy of Indication:** ±10% of reading ±2 digits

#### EARTH CONTINUITY TEST (200MA)

**Test Voltage:** 130mV DC nominal open circuit **Test Current:** 200mA DC nominal constant current **Range:** 0 - 1.99Ω **Accuracy of Indication:** ±10% of reading ±2 digit

#### INSULATION TEST

Test Voltage: 500V DC -0% +20% at  $0.5M\Omega$ Short Circuit Current: 1.5mA DC nominal Display Range:  $0 - 19.9M\Omega$ Accuracy Of Indication:  $\pm 5\%$  of reading  $\pm 1$  digit

#### **FUSE TEST**

**Test Voltage:** 6V AC nominal **Over range threshold:**  $10k\Omega$  nominal **Zero range threshold:**  $800k\Omega$  nominal

#### LEADS

Mains: 1.7M fixed lead, with a 13A moulded plug
Earth Continuity: 3M long, detachable lead, heavy duty crocodile/alligator clip.
230V IEC Adaptor: 13A BS1363 plug to IEC320 connector, 230mm long.

#### SOCKETS

Mains: 230V 13A to BS 1363 110V 16A to BS4343 Leadtest: IEC320

CONT...

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document 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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## SPECIFICATIONS

### SHEET 2 of 2

#### LAMPS

**Over Temperature:** Red LED which illuminates when the temperature limit for the instrument has been exceeded. LED extinguishes when unit cools.

Lamp 1/ Lamp 2: Red LED's which illuminate to indicate lead 'polarity' for extension lead test facility.

#### FUSES

"HBC (Ceramic)
A (F) 5x20mm, HBC (Ceramic)
nal fuse is not user replaceable.
s BS EN 50081-1
N 50082-1
s BS EN 61010-1

#### **MECHANICAL SPECIFICATION - CASE**

Size:	330x263x144mm
Material:	ABS/Polycarbonate
Colour:	Yellow/Black
Weight:	4kg nominal

ENVIRONMENTAL SPECIFICATION - TEMPERATURE Operating: 0 °C to 35°C

Storage: -10 °C to 50°C

This instrument has been designed to be used in a clean dry environment.

Do not use the instrument outdoors or in wet conditions.

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