

Portable Appliance Testing

EasyPAT Manual PAT Tester - Professional with Flash Test



FREE
VC

ACCESSORIES

TC2C	calibration
TL150	110V adaptor for power tests on 110V appliances
EX331	adaptor lead to test 110V extension leads

The simple one button, one test interface for testing both 240V and 110V appliances speeds up testing both in the workshop and on-site. It performs the mandatory tests for Class I and Class II appliances for earth bond and insulation and has added benefits of run current, run leakage and flash test. Earth bond tests can be carried out at 25A, 8A and 200mA for sensitive IT equipment.

It can be powered by a 110V or 240V supply which enables run current or run leakage tests to be performed without need for connection to an external power source. The 110V adaptor is included to enable connection to a 110V supply.

The EasyPAT2100 has a built in lead tester for testing extension leads, IEC leads and adaptors. The lead tester will perform a polarity test and is supplied with the EX332 240V lead test adaptor.

EPAT2100

Insulation test

Same as EPAT1600 (see page 29)

Earth continuity: 200mA, 8A & 25A

Run current test

Range: 0-19.9A (Usable: 0-13.0A)

Accuracy: $\pm 10\%$ of reading ± 1 digit

Earth leakage test

Range: 0-19.9mA

Accuracy: $\pm 10\%$ of rdg ± 1 dgt

Flash test

Test voltage: 1.5kV AC - Class I

3.0kV AC - Class II

Display range: 0-19.9mA AC

Usable range: 0-3.5mA AC

(current trip @ 4mA nominal)

Accuracy: $\pm 5\%$ of rdg ± 1 dgt

Leads

Earth continuity: 1.5m long

Flash gun: for extra user protection

110/240V adaptor:

110V 16A plug (BS 4343) to

240V 13A free socket (BS 1363)

230V IEC adaptor: 13A BS 1363

plug to IEC320 230mm long

Sockets

Mains: 240V 13A to BS 1363,

110V 16A to BS 4343

Flash: 4mm high safety socket

Lead test: IEC 320

Indicators

Flash: neon lamp for active test.

Over temperature: red LED.

Lamp 1/ lamp 2: red LEDs for

extension lead polarity test

Supply

Voltage: 110V/240V $\pm 10\%$ 50/60Hz

Power consumption: 10/220VA

Complies with: LVD: BS

EN61010-1

Weight: 5.1kg approx

Dimensions: 330 x 263 x 144mm

Includes: manual, bond lead (TL66),

flash probe (TL166), 110V adaptor

(TL150), 230V plug to socket leads

Adaptor (EX332), carry bag.

4kV Flash Tester



Capable of operating from either 115V or 230V supplies at 50/60Hz, the E3640 can apply up to 4kV AC and displays both output voltage and leakage current on the twin $3\frac{1}{2}$ digit LCD's.

A fail lamp and buzzer indicate test failure.

Operating modes:

Trip - a pre-determined current is exceeded

Breakdown - fast transients trigger the trip

Burn - trip function is by-passed and the fault current flows continuously to expose the fault;

Hold - shows breakdown voltage and leakage current.

ACCESSORIES

TC2D	calibration
DFH0369	flash gun

 Metrohm®

E3640

Power requirement:

115/230 Volts $\pm 15\%$ 50/60Hz 40VA

Output voltage range:

0-2.2, 0-4.2kV 50/60Hz AC

Accuracy: $\pm 2\%$ of rdg ± 1 dgt

Leakage current: 0-5 mA

(nominal) 50/60Hz in 10 μ A steps

Accuracy: $\pm 2\%$ of rdg ± 1 dgt

Trip level range: 0 to 3mA

50/60Hz

Setting accuracy: $\pm 5\%$ of full

range

Trip response leakage: Will trip for

fault duration > 5 mS but not for

$< 100\mu$ S

Breakdown: Will trip for fast

transients of 30 μ S and above

Complies with: EMC: to BS

EN50081-1 and BS EN50082-2

Safety & flash test: BS EN61010-1

Weight: 4kg approx.

Dimensions: 330 x 263 x 144mm

Includes: flash gun (DFH0369),

earth lead (DFH0366), mains

power lead (TL205) and manual