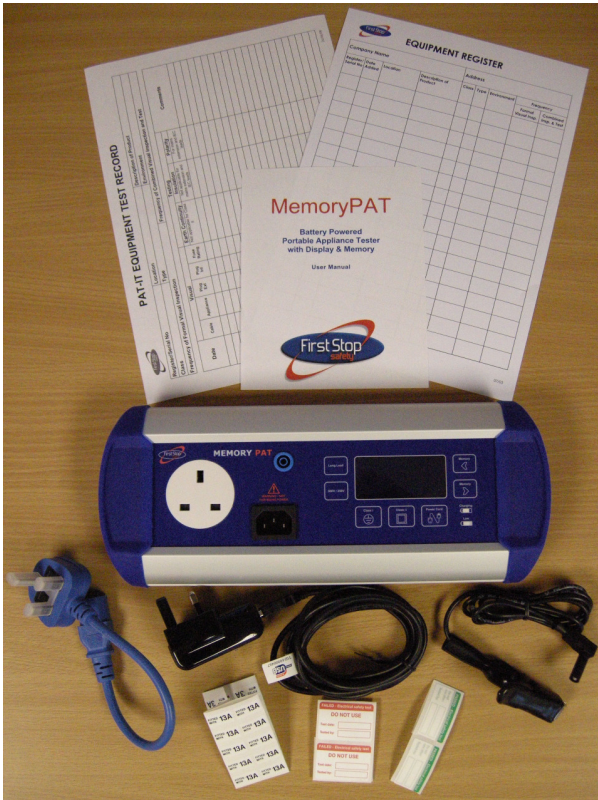




MemoryPAT



Battery Powered Portable Appliance Tester with Display & Memory



The MemoryPAT is a compact battery powered Portable Appliance Tester, and can be used to test PCs, monitors, kettles, desk lights, drills, hairdryers etc. If an appliance has a plug, it can be tested on the MemoryPAT.

The clear controls and displays make this instrument very easy to use. The instructions, labels and sample records supplied make it very easy for anyone to undertake safety testing on all electrical appliances.

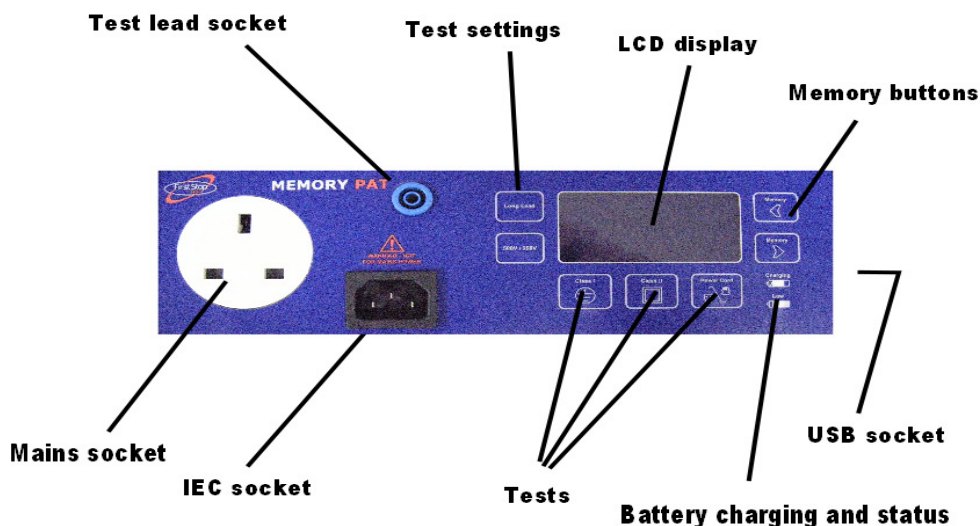
The user has only to decide whether the equipment to be tested is built to a Class I or Class II construction. The supplied test clip is connected and the appropriate button pressed.

All test results are saved in the internal memory and can be accessed using the Memory ◀ and ▶ buttons. The results can also be downloaded to a PC using appropriate software.

The MemoryPAT is supplied with the following:

- MemoryPAT unit
- USB lead and mains adaptor
- Test lead
- Short IEC lead
- User manual
- Equipment Register form
- Test Record form
- 100 Tested, 5 Failed and 50 Fuse labels
- MemoryPAT Downloader software

MemoryPAT Downloader Software: This allows users to download the test results from the memory of the PAT tester to a PC. It can then be imported into a spreadsheet for putting into a report or printing. This Downloader is available free of charge to every MemoryPAT customer.



Features

CLASS I TEST

When this button is pressed, the unit will test Earth Continuity and Insulation Resistance and show the results.

CLASS II TEST

When this button is pressed, the unit will test Insulation Resistance and show the results.

POWER CORD

When this button is pressed, the unit will carry out the Earth Continuity, Insulation Resistance and Wiring tests and show the results.

POWER ON TEST

When testing appliances it is important to make sure that their power switches are in the ON state. The MemoryPAT will carry out a Power ON Test before proceeding with a Class 1 or a Class 2 test.

LARGE LCD DISPLAY

The 6 line x 18 character LCD displays all user instructions and test results in a clear unambiguous way. When a test is completed it shows the test settings, an overall PASS or FAIL assessment and the results for the different tests.

MEMORY

The MemoryPAT can store the complete test results from 2000 tests. These can be recalled using the memory ◀ and ▶ buttons and the unique reference number is used to tie a particular set of results to a particular appliance.

LONG LEAD

This is used when appliances and power cords exceeding 1m in length are being tested. With this function, the MemoryPAT can test appliances and power cords up to 50m in length.

INSULATION RESISTANCE TEST VOLTAGE

The MemoryPAT uses a 500 V test voltage for the Insulation Resistance test. The user can select to use a 250 V for this when testing surge protected appliances.

Specification

EARTH CONTINUITY TEST

CURRENT	150 mA
O.C. VOLTAGE	8 - 10 V
TOLERANCE	5% + 20 mΩ
FAIL THRESHOLD	(based on user selected lead length)

1 m	>0.1 ohms	Default
5 m	>0.2 ohms	
10 m	>0.3 ohms	
15 m	>0.4 ohms	
20 m	>0.5 ohms	
25 m	>0.6 ohms	
30 m	>0.7 ohms	
35 m	>0.8 ohms	
40 m	>0.9 ohms	
45 m	>1.0 ohms	
50 m	>1.1 ohms	

INSULATION TEST

TEST VOLTAGE 500V	+/- 10% into 0.5 Mohm
TEST VOLTAGE 250V	+/- 10% into 0.5 Mohm
TOLERANCE	5% + 0.1
FAIL THRESHOLD CLASS I	< 1 MΩ
FAIL THRESHOLD CLASS II	< 2 MΩ

POLARITY TEST

TEST VOLTAGE TESTS	30 V DC Live, Neutral open circuit Live to Neutral short
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POWER ON TEST

TEST VOLTAGE	40 V rms
RESISTANCE	ON if <10 kohm

BATTERY & CHARGING

BATTERY	9 V, 600 mAh 7 x AAA NiMH cells
LIFE	> 500 operations
FAST CHARGE	Upto 200 mA until 9V
TRICKLE CHARGE	70 mA for 12 hours
CHARGER	DC 5V, 1000 mA

DIMENSIONS

HEIGHT	45 mm
WIDTH	325 mm
DEPTH	130 mm
WEIGHT	1.1 Kg

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