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.

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**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**: 30 V DC
- **TESTS**: Live, Neutral open circuit
- **TESTS**: Live to Neutral short

**POWER ON TEST**
- **TEST VOLTAGE**: 40 V rms
- **RESISTANCE**: ON if <10 kohm

**BATTERY & CHARGING**
- **BATTERY**: 9 V, 600 mAh
- **BATTERY**: 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