OmegaPAT, BetaPAT

The most advanced Portable Appliance Testers



Wide application range

- Enables complete safety verification of a wide range of electrical appliances (Class I, Class II and Class III appliances).
- Ideally suited for periodical testing, electrical service interventions, and control testing.
- Supports 230 V and 110 V.

Autotest mode for easier and faster testing

- It offers a list of preprogrammed autotest sequences and the possibility to customize your own test procedure.
- Over 4000 Autotests can be stored into the memory.
- Supports RFID and Barcode labels for super fast auto-testing.

High accuracy and safety

- The instrument meets or exceeds the demands of the latest safety and appliance testing standards.
- High accuracy and the highest protection of the user and tested appliance during test is guaranteed in all working conditions.

Easy operation

- High resolution large graphic display contains all important information when working with the tester.
- Customized keypad with jogger for fast access to all of the functions.
- All the test can be performed without external adapters.
- Fast direct print-out facilities for immediate printing.

PC Software package PAT Link.

- Perfect tool for documentation, analysis and printing out test reports.

Robust, waterproof case

- The new Metrel case offers **high protection** even if working in arduous conditions.
- All standard accessories can fit inside the case.

The complete analysis of safety:

	Omega	Beta
Visual test	1	✓
Earth Bond Test	1	✓
Insulation	1	✓
Sub Leakage Current	1	✓
Touch Leakage Current	1	✓
Differential Leakage Current	1	✓
Flash Test	1	
Power Test	1	✓
Polarity (cord) Test	1	✓

Measurements and testing in accordance with:

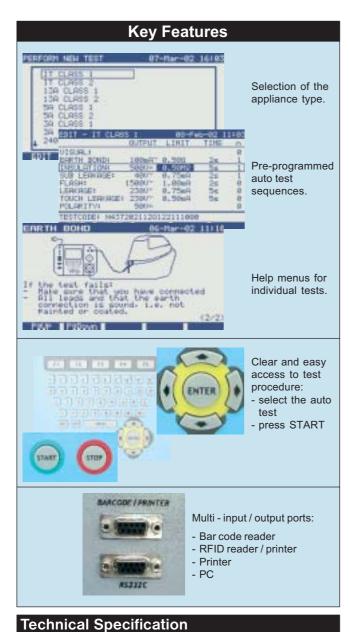
IEC 60335-1	Household and similar electrical appliances
IEC 60598-1	Luminaries
IEC 60745	Hand-held motor operated tools
IEC 60950	Safety of information technology equipment
VDE 701 T1	Repair and modification inspections
VDE 702 T1	Repeat tests of

Standard set:

OmegaPAT Order No. MI 2140
BetaPAT Order No. MI 2141



- Instrument OmegaPAT
- Earth Bond Clip
- Flash Test Probe*
- Instruction Manual
- Production verification data
- Declaration of warranty
- Declaration of conformity
- PC Software PAT Link with RS 232 cable
- * at Omega PAT MI 2140 only



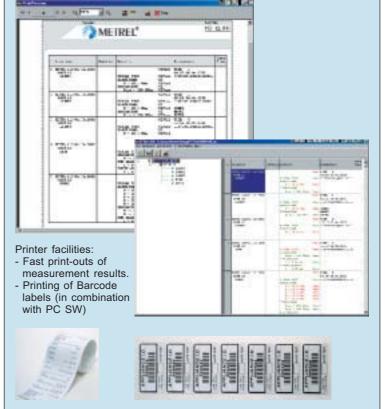
Professional PC SW package, printout facilities

The accompanying professional PC SW package PATLink enables:

- viewing and analysing measurement results,
- storing of results for documentation,
- operating of test reports,
- printing of test reports.

Also available PC SW package simply PATs which supports most common PAT testers





General Specification

Mains voltage -230 V system Mains voltage -115V system Max. power consumption

Display RS232 interfaces Memories

Shock proof plastic / portable case

Dimensions (w \times h \times d)

Mass (without accessories) Pollution degree Degree of protection (closed)

Overvoltage category Protection classification

Working temperature range

Protection against overload on test sockets:

Protection against shorted appliances or excesive leakages: Earthing connection detection:

230 V (+6 % - 10 %) / 50 or 60 Hz 115 V (+6 % - 10 %) / 50 or 60 Hz 150 VA (without load on TEST SOCKETS)

Graphic, 240 X 128 dots Baud rate 115200 4000 memory locations

335 x 160 x 335 mm

9 kg

2 IP 54 Cat II / 300 V

- 10 ÷ + 50 °C

yes yes

Optional accessories



- Printer A 1103 - 110 / 230 V adapter A 1104 A 1105 - Bar Code reader - Bar Code Labels, 200 pcs A 1106 - RFID reader / writer * A 1107 - RFID tags, 50 pcs3 A 1108 - OmegaPAT link A 1109 - PC SW package Simply PATs* A 1110

ves

Order No.:

* will follow later in 2003

Earth Bond

Test currents: 100 mA, 4 A, 10 A, 25 A

Measuring range: $0.00 \div 19.9 \Omega$ Accuracy: ±(5 % + 5 dig.)

Insulation

Test voltage: 250 V, 500 V

Measuring range: $0.000 \div 199.9 \text{ M} \Omega$ Accuracy: $\pm (5 \% + 5 \text{ dig.})$

Substitute Leakage

Test voltage: 40 V

Measuring range: 0.00 ÷ 1.99 mA Accuracy: $\pm(5\% + 5 \text{ dig.})$

Touch Leakage

Measuring range: 0.00 ÷ 19.99 mA Accuracy: $\pm (5 \% + 5 \text{ dig.})$

Leakage

Measuring range: 0.00 ÷ 19.99 mA Accuracy: ±(5 % + 5 dig.) Power

Accuracy: ±(5 % + 5 dig.)

Measuring range: 0 ÷ 4 kVA Flash Test*

Output voltage: 1500 V / 3000 V Measuring range: 0.00 ÷ 2.50 mA Accuracy: $\pm(5 \% + 5 \text{ dig.})$

Trip-out function: yes

Polarity

Output voltage: 40 V

Faults: Open, Short, Crossed, Multiple fault

Timer: All functions, 2 s ÷ 180 s

Limits: All functions, programmable

* Available only at OmegaPAT MI 2140