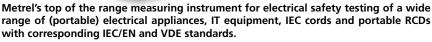
# MI 3305 OmegaGT*Plus* (Flash test) MI 3304 BetaGT*Plus*





New PATPlus instruments are suitable for periodic testing, troubleshooting or as a tool for electrical safety in workshops. They can be connected to 115 V and 230 V mains supply voltage. Instruments are placed in robust, waterproof case.

Over 100 pre-programmed **auto test sequences** cover most of the test requirements. User can define up to 50 additional customized auto tests. **Barcode labels** and reader enable super fast auto-testing and appliance identification. **RFID** technology is supported as well **QWERTY keyboard** allows easy data entries. **Serial printer** can be connected to the instrument to print out selected test results. Immediate test result printout facility is enabled with special designed **mobile label printer** available as accessory. Labels can be printed and posted on tested appliance immediately after test is finished.

**Professional PC SW PATLink PRO** enables viewing and advanced analysing of measurement results (comparison/trends for selected appliance) including comparison, storing of results for documentation, printing of test reports.

### The following test are supported:

- Earth bond continuity test with currents up to 25 A
- Insulation resistance,
- Leakage current (differentinal, substitute and touch),
- · Functional test,
- Dielectric withstanding test 1500 V and 3000 V AC (MI 3305 only),
- Polarity test of IEC cord,
- TRMS leakage and load current measurement using clamp current adapter and
- Trip-out time measurement of portable RCDs.

#### Features:

- User-friendly graphic user interface (GUI),
- instrument personalization to user needs,
- barcode reader and serial printer support,
- · RFID technology for fast identification and storage of test results,
- · saving auto test results with important information,
- quickly searching of test results using special filters,
- downloading/uploading auto test results to/from PC,
- test results comparison/trends and label printing.



# Tihe Most Complete Portable Appliance Tester



#### Application:

Periodical testing Electrical service interventions Control testing

#### Standards:

Measurements: IEC 60335-1, IEC 60598-1, IEC 60745, IEC 60950, VDE 701 T1, VDE 702 T2, BS 89

Safety and EMC: EN 61010-1, IEC 61326

#### General data:

Rated supply voltage: 230 V AC (±10 %, 50/60 Hz) Maximum appliance current: 16 A Overvoltage category: CAT II / 300 V Protection classification: I Pollution degree: 2 Degree of protection: IP 50 (closed and locked cover) Case: shock proof plastic / portable Display: 240x128 dots graphic matrix display with backlight Memory: 6800 memory locations

Dimensions (w×h×d): 33.5 cm × 16.0 cm × 33.5 cm Weight (with standard accessories): 8.4 kg

Interfaces: RS232 and USB



# **Technical specification**

Earth bond resistance readout (4 A, 10 A, 25 A)

Earth bond resistance readout (200 mA) Insulation resistance readout

Substitute leakage current readout Touch leakage current readout Differential leakage current readout Apparent power readout Clamp current

Flash current readout (OmegaPAT only)
Portable RCD trip-out time readout

Test currents ( $I\Delta N$ )10 mA, 15 mA, 30 mA Test current multipliers ½,1, 2 and  $5xI\Delta N$ Test modes: single, autotest

Trip out times:

according to EN 61008/EN 61009 according to BS 7671 (UK, Aus/NZ models)

**Polarity test** 

Range Accuracy  $0.00 \Omega \div 1.99 \Omega$ ±(5 % of reading + 3 digits)  $2.00 \Omega \div 19.99 \Omega$ ±10 %  $0.00~\Omega \div 19.9~\Omega$ ±10 % 0.000 M $\Omega$  ÷ 0.500 M $\Omega$  ±(10 % of reading + 5 digits) 0.501 M $\Omega$  ÷ 199.9 M $\Omega$  ±(5 % of reading + 3 digits) 0.00 mA ÷ 19.99 mA ±(5 % of reading + 5 digits) 0.00 mA ÷1.99 mA ±(10 % of reading + 5 digits)  $0.00 \text{ mA} \div 9.99 \text{ mA}$  $\pm$ (5 % of reading + 5 digits)

±(5 % of reading + 3 digits)

±(5 % of reading + 5 digits)

 $\begin{array}{lll} 0.00 \div 2.50 \text{ mA} & \pm (5 \text{ \% of reading} + 5 \text{ digit}) \\ 0 \text{ ms} \div 1999 \text{ ms} (1/8\text{x}|\Delta N) \pm 3 \text{ ms} \\ 0 \text{ ms} \div 300 \text{ ms} (1/\Delta N) & \pm 3 \text{ ms} \\ 0 \text{ ms} \div 150 \text{ ms} (2\text{x}|\Delta N) \pm 3 \text{ ms} \\ 0 \text{ ms} \div 40 \text{ ms} (5\text{x}|\Delta N) & \pm 3 \text{ ms} \\ \end{array}$ 

Test voltage < 50 V AC

 $0.00 \text{ kVA} \div 4.00 \text{ kVA}$ 

0.00 mA ÷ 24.9 A

# **Key Features**



Bar code support for test data and tested appliance name entering.



Large LCD with backlight and QWERTY keyboard.



Multiple input/output ports.



Immediate printing of labels after test is completed.



Connector panel - test ports for fixed installed appliances.



Professional PC SW PATLink PRO for upload and download of results.



Measuring and Regulation Equipment Manufacturer

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# **Ordering information**

Standard set MI 3304, MI 3305

Instrument OmegaGTPlus MI 3305 or BetaGTPlus MI 3304
Continuity / Lekage cable
PRCD cable
Test probe, green
Test probe, black
Test lead, green 1.5 m
Test lead, black 1.5 m
Crocodile clip, green
Crocodile clip, green
Crocodile clip, black
Flash cable (only for MI 3305)
PC SW PATLink PRO
RS232 cable
USB cable
Instruction manual
Calibration certificate

## **Optional Accessories**

Photo	Order No.	Description
=	A 1103	Receipt printer
	A 1226	Communication cable for printer A 1103.
	A 1106	Barcode labels, 1000 pcs
	A 1105	Barcode scanner
	A 1276	Label printer with power and data cables
	A 1295	Spare label roll for A 1276
	A 1203	Upgrade code PATLink PRO to PATLink PRO Plus
6	A 1283	Shielded leakage current clamp
6	A 1107	RFID reader / writer
<b>9</b> ::	A 1108	RFID tags, 50 pcs
o,	A 1207	Three phase adapter

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.

Subject to technical change without notice.