Appliance / Machine / Switchboard safety
MI 3311 GammaGT

The MI 3311 GammaGT is a battery powered multifunctional instrument intended to perform measurements for testing the electrical safety of portable electrical equipment. Due to large graphical LCD with backlight, two PASS / FAIL LED indicators and HELP screens for each measurement the handling of the instrument is clear and simple. Up to 1500 test results with parameters can be stored in the internal memory of the instrument and then downloaded to the PC for further data handling and creation of test report. Lightweight design, pre-programmed and custom test sequences, optional barcoding, android keyboard application and RFID systems and built-in calibration unit make the MI 3311 an ideal instrument for high volume professional safety testing of portable appliances.

MEASURING FUNCTIONS

- Continuity test with 200 mA;
- Insulation resistance;
- Insulation resistance of isolated accessible conductive parts;
- Substitute leakage current;
- Substitute leakage current of isolated accessible conductive parts;
- IEC cord polarity test;
- TRMS voltage;
- Functional and visual inspection.

KEY FEATURES

- **Autosequencing:** pre-programmable VDE compatible autosequences, up to 50 custom prepared autosequences and barcode autotests speed up testing and ensure that no tests are missed.
- **Checkbox:** built-in calibration unit performs calibration of the instrument and the calibration results are automatically stored into instrument's memory.
- **PASS / FAIL:** large green and red lights of the LEDs indicate a PASS or FAIL evaluation of test result.

- **Scan and test:** optional QR or barcoding system and PASS / FAIL QR or barcode label printing make retesting quick and simple.
- **RFID:** support for advanced RFID identification system.
- **User friendly:** large LCD screen, two Pass / Fail LED indicators, help screens and warnings make the instrument an extremely easy to use.
- **Multi-tasking:** instrument performs continuity test, 250 V and 500 V insulation tests, substitute leakage measurement, functional and polarity tests.
- **Memory:** up to 1500 test results with measuring parameters can be stored in two level memory and downloaded to the PC with the help of PC SW PATLink PRO.
- **Built-in charger & rechargeable batteries:** instrument has a built-in charging circuit and comes complete with a set of rechargeable NiMH batteries.
- **Android application:** enables advanced data management, use of smart phones camera for scanning QR and bar-code.
- **PC SW PATLink PRO** enables downloading, viewing, printing of test results and exporting of data to spreadsheet applications.

- **PC SW PATLink PRO Plus** enables advanced analysis of test results, upload of pre-programmed custom autosequences and creation of professional test reports.

APPLICATION

- Professional GT testing;
- General GT testing;
- After repair GT safety testing.

STANDARDS

Functionality
- EN 50699
- EN 50678
- VDE 0701-0702
- AS/NZS 3760
- IET COP 5th Ed

Electromagnetic compatibility
- EN 61326

Safety
- EN 61010-1
- EN 61010-031

METREL ®

TECHNICAL DATA

FUNCTION	Measuring range	Resolution	Accuracy
PE continuity (200 mA)	0.00 Ω ... 19.99 Ω	0.01 Ω	±(5 % of reading + 3 digits)
	20.0 Ω ... 199.9 Ω	0.1 Ω	Indication only
	200 Ω ... 1999 Ω	1 Ω	Indication only
Insulation resistance (250 VDC, 500 VDC)	0.00 MΩ ... 19.99 MΩ	0.01 MΩ	±(5 % of reading + 3 digits)
	20.0 MΩ ... 49.9 MΩ	0.1 MΩ	±(5 % of reading + 3 digits)
	50.0 MΩ ... 199.9 MΩ	0.1 MΩ	Indication only
Substitute leakage current	0.00 mA ... 9.99 mA	0.01 mA	±(5 % of reading + 3 digits)
	10.0 mA ... 20.0 mA	0.1 mA	±(5 % of reading + 3 digits)
Voltage	0 V ... 300 V	1 V	±(2 % of reading + 2 digits)
Polarity test	Test voltage < 50 VAC		
Power supply	6 x 1.2 V NiMH rechargeable batteries, type AA		
Overvoltage category	CAT II / 300 V		
COM port	RS232, USB and Bluetooth (optional A 1436 BT dongle)		
Dimensions	140 x 80 x 230 mm		
Weight	0.86 kg		

ORDERING INFORMATION

Standard set MI 3311
- Instrument GammaGT
- Small soft carrying bag
- IEC cable, 2 m
- Test probe, black
- Test lead, black, 1.5 m
- Crocodile clip, black
- Power supply adapter
- NiMH rechargeable batteries, type AA, 6 pcs
- Instruction manual
- Calibration certificate

OPTIONAL ACCESSORIES

Photo	Order No.	Acc. decription
	A 1306	PC SW PATLink PRO Plus with USB and RS232-PS/2 cable
	A 1105	Barcode scanner
	A 1316	3-phase adapter (16 A CEE-Schuko)
	A 1317	3-phase adapter (32 A CEE-Schuko)
	A 1107	RFID reader / writer
	A 1108	RFID tags, self-stick, 25 pcs RFID tags, key-tag, 25 pcs
	A 1472	Leakage current clamp
	A 1207	Three phase adapter
	A 1434	aPAT Android
	A 1488	BT Able printer (battery or mains operated)
	A 1520	Labels for Able printer, (250 labels per roll)
	A 1450	Spare label role for S 2062
	A 1436	Bluetooth dongle
	S 2062	BT lable printer set

Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.