

# Multifunctional installation testers MI 3100B SE EurotestEASI



Solicita información

91 366 00 63



## MEASURING FUNCTIONS

- Insulation resistance with DC voltage from 50 V to 1000 V;
- Continuity of PE conductors with 200 mA test current with polarity change;
- Continuity of PE conductors with 7 mA test current without RCD tripping;
- Line impedance;
- Loop impedance;
- Loop impedance with Trip Lock RCD function;
- TRMS voltage and frequency;
- Phase sequence;
- RCD testing (general and selective, type AC, A, F, B, B+, MI RCD, EV RCD, PRCD, PRCD-K, PRCD-S);
- Earth resistance (3-wire method).

## KEY FEATURES

- **Predefined mini AUTO SEQUENCE® s:**
  - Auto TT (U, ZIn, Zs, Uc);
  - Auto TN/RCD (U, ZIn, Zs, Rpe);
  - Auto TN (U, ZIn, Zlpe, Rpe).
- **Built-in help screens** for referencing on site.
- **Built-in fuse tables** for automatic evaluation of the line / loop impedance result.
- **On-line voltage monitoring:** monitors all 3 voltages in real-time.
- **Polarity swap:** automatic polarity reversal on continuity test.
- **Trip Lock function:** loop impedance test without tripping the RCD.
- **Built-in charger** unit has a built-in charging circuit and comes complete with a set of rechargeable NiMH batteries.
- **RCD auto:** automated RCD testing procedure.
- **Bluetooth communication** with PC, Android tablets and smart phones via optional BT dongle.
- **PC SW EuroLink PRO** for downloading of test results and report creation.
- **EuroLink Android app**, data management tool (option).

## APPLICATION

- Initial and periodic testing of domestic and industrial installations.
- Testing of single and multiphase systems.
- Testing of TT and TN supply systems.

## STANDARDS

### Functionality

- IEC/EN 61557

### Other reference standards for testing

- IEC/EN 60364-4-41;
- EN 61008;
- EN 61009;
- BS 7671;
- AS/NZ 3017

### Electromagnetic compatibility

- EN 61326

### Safety

- EN 61010-1;
- EN 61010-031;
- EN 31010-2-030;
- EN 31010-2-032

## TECHNICAL SPECIFICATION

FUNCTION	Measuring range	Resolution Accuracy	
<b>CONTINUITY</b>	Test Current 7 mA 2-wire	0.01 Ω ... 19.99 Ω 1Ω	±(5 % of r. + 5 digits)
	Test Current 200 mA 2-wire	0.01 Ω ... 19.99 Ω 0.1Ω 1Ω	±(3 % of r. + 3 digits) ±(5 % of r.) ±(5 % of r.)
<b>INSULATION RESISTANCE</b>	Test Voltage 50/100/250 V	0.01 MΩ ... 19.99 MΩ 0.1 MΩ	±(5 % of r. + 3 digits) ±(10 % of r.) ±(20 % of r.)
	Test Voltage 500/1000 V	0.01 MΩ ... 19.99 MΩ 0.1 MΩ 1 MΩ	±(5 % of r. + 3 digits) ±(5 % of r.) ±(10 % of r.)
<b>RCD</b>	Contact voltage	0.00 V ... 19.99 V 20.0 V ... 99.9 V	0.1 V (-0%/±15%) of r. ± 10 digits (-0%/±15%) of r.
	Trip out time	0.0 ms ... 40.0 ms 0.0 ms ... max.time	0.1 ms ±1 ms ±3 ms
	Trip out current	0.2x $I_{\Delta N}$ ... 1.1x $I_{\Delta N}$ (AC) 0.2x $I_{\Delta N}$ ... 1.5x $I_{\Delta N}$ (A, $I_{\Delta N} \geq 30$ mA) 0.2x $I_{\Delta N}$ ... 2.2x $I_{\Delta N}$ (A, $I_{\Delta N} < 30$ mA) 0.2x $I_{\Delta N}$ ... 2.2x $I_{\Delta N}$ (B)	0.05x $I_{\Delta N}$ ±0.1x $I_{\Delta N}$
<b>IMPEDANCE</b>	Zline L-L, L-N Ipse	0.00 Ω ... 9.99 Ω 10.0 Ω ... 99.9 Ω 100 Ω ... 999 Ω 1.00 kΩ ... 9.99 kΩ	0.01 Ω 0.1 Ω 1 Ω 10 Ω
	Zloop L-PE, Ipfc	0.00 Ω ... 9.99 Ω 10.0 Ω ... 99.9 Ω 100 Ω ... 999 Ω 1.00 kΩ ... 9.99 kΩ	0.01 Ω 0.1 Ω 1 Ω 10 Ω
<b>VOLTAGE</b>	TRMS	0 ... 550 V	1V ±(2 % of r. + 2 digits)
	Frequency	0.00 Hz .. 9.99 Hz 10.0 Hz ... 499.9 Hz	0.01 Hz 0.1 Hz
<b>EARTH RESISTANCE</b>	3 wire	0.00 Ω ... 19.99 Ω 20.0 Ω ... 199.9 Ω 200.0 Ω ... 9999 Ω	0.01 Ω 0.1 Ω 1 Ω
<b>GENERAL</b>	Power supply	9 VDC (6x1.5 V battery or accu, size AA)	
	Overtoltage category	CAT II / 1000 V <sub>DC</sub> ; CAT III / 600 V; CAT IV / 300 V	
	Protection class	Double insulation	
	COM port	BT, USB, RS232	
	Weight	1.3 kg	
	Size (l x h x w)	230 x 103 x 115 mm	

## ORDERING INFORMATION



### Standard set (MI 3100B SE)

- Instrument EurotestEASI
- Schuko-plug test cable, 1.5 m
- Test lead, 3 x 1.5 m
- Test probe, 3 pcs (blue, black, green)
- Crocodile clip, 3 pcs (blue, black, green)
- Power supply adapter + 6 NiMH rechargeable batteries, size AA
- RS232 - PS/2 cable
- USB cable
- Soft carrying neck belt
- Soft carrying bag
- PC Software EuroLink PRO
- Short instruction manual
- Instruction manual on storage media
- Handbook on storage media
- Calibration certificate

## OPTIONAL ACCESSORIES

Photo	Order No.	Acc. description
	A 1401	Tip commander (3-wire)
	A 1314	Plug commander
	A 1201	Insulated rod for CONTINUITY measurement
	A 1202	Additional extension part for A 1201
	A 1164	Test lead, black, 50 m
	A 1153	Test lead, black, 20 m
	A 1154	Test lead, black, 4 m
	S 2026	Earth test set, 3-wire, 20 m
	S 2027	Earth test set, 3-wire, 50 m
	A 1110	Three phase adapter
	A 1111	Three phase adapter with switch
	A 1436	BT dongle



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