

MI3100BSE EUROTESTEASI

- MULTIFUNCTIONAL ELECTRICAL INSTALLATION TESTER



MI 3100B SE EurotestEASI is a fast, accurate and easy to use multifunctional measuring instrument which performs a complete set of installation safety tests according to IEC/EN 61557. Besides, the MI 3100B SE EurotestEASI enables on-line voltage monitoring, phase sequence testing and earth resistance measurement. EurotestEASI is equipped with integrated characteristics of fuses and RCDs for PASS / FAIL evaluation of test results. All the results can be quickly saved and referenced on the instrument and then downloaded via the EuroLink PRO software (included in the standard set) to the computer for evaluation and report generation after testing.

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, Zln, Zs, Uc)
 - Auto TN/RCD (U, Zln, Zs, Rpe)
 - Auto TN (U, Zln, 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 & 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



MI3100BSE

TECHNICAL SPECIFICATIONS



Function	Measuring Range	Resolution	Accuracy	
CONTINUITY	Test Current 7 mA 2-wire	0.00 Ω ... 19.99 Ω 20.0 Ω ... 1999 Ω	0.1 Ω 1 Ω	±(5% of r. + 5 digits)
	Test Current 200 mA 2-wire	0.00 Ω ... 19.99 Ω 20.0 Ω ... 199.9 Ω 200.0 Ω ... 1999 Ω	0.01 Ω 0.1 Ω 1 Ω	±(3% of r. + 3 digits) ±(5% of r.) ±(5% of r.)
INSULATION RESISTANCE	Test Voltage 50/100/250V	0.00 M Ω ... 19.99 M Ω 20.0 M Ω ... 99.9 M Ω 100.0 M Ω ... 199.9 M Ω	0.01 M Ω 0.1 M Ω	±(5% of r. + 3 digits) ±(10% of r.) ±(20% of r.)
	Test Voltage 500/1000V	0.00 M Ω ... 19.99 M Ω 20.0 M Ω ... 199.9 M Ω 200 M Ω ... 999 M Ω	0.01 M Ω 0.1 M Ω 1 M Ω	±(5% of r. + 3 digits) ±(5% of r.) ±(10% of r.)
RCD	Contact Voltage	0.00V ... 19.99V 20.0V ... 99.9V	0.1V	(-0%/±15%) of r. ± 10 digits (-0%/±15%) of r.
	Trip Out Time	0.0ms ... 40.0ms 0.0ms ... max. time	0.1ms	±1ms ±3ms
	Trip Out Current	0.2xIΔN ... 1.1xIΔN (AC) 0.2xIΔN ... 1.5xIΔN (A), IΔN ≥30 mA) 0.2xIΔN ... 2.2xIΔN (A), IΔN <30 mA) 0.2xIΔN ... 2.2xIΔN (B)	0.05xIΔN	±0.1xIΔN
IMPEDANCE	Zline, L-L, L-N Ipsc	0.00 Ω ... 9.99 Ω 10.0 Ω ... 99.9 Ω 100 Ω ... 999 Ω 1.00 k Ω ... 9.99 k Ω	0.01 Ω 0.1 Ω 1 Ω 10 Ω	±(5% of r. + 5 digits) ±(10% of r.)
	Zloop, L-PE, Ipf	0.00 Ω ... 9.99 Ω 10.0 Ω ... 99.9 Ω 100 Ω ... 999 Ω 1.00 k Ω ... 9.99 k Ω	0.01 Ω 0.1 Ω 1 Ω 10 Ω	±(5% of r. + 5 digits) ±(10% of r.)
VOLTAGE	TRMS	0 ... 550V	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	±(0.2% of r. + 1 digit)
EARTH RESISTANCE	3 wire	0.00 Ω ... 19.99 Ω 20.0 Ω ... 199.99 Ω 200.0 Ω ... 9999 Ω	0.01 Ω 0.1 Ω 1 Ω	±(5% of r. + 5 digits)
		Power supply	9 VDC (6x1.5V battery or accu, size AA)	
GENERAL	Overvoltage category	1000V DC CAT II; 600V CAT III; 300V CAT IV		
	Protection class	Double insulation		
	COM port	BT, USB, RS232		
	Weight	1.3kg		
	Size (L x H x W)	230x103x115mm		

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

ORDERING INFORMATION - Standard set



- 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.	Description
	A1401	Tip commander (3-wire)
	A1314	Plug commander
	A1110	Three phase adapter
	A1111	Three phase adapter with switch
	A1201	Insulated rod for CONTINUITY measurement
	A1202	Additional extension part for A1201
	A1164	Test lead, black, 50m
	A1153	Test lead, black, 20m
	A1154	Test lead, black, 4m
	A1292	Upgrade code EuroLink PRO to EuroLink PRO Plus
	A1431	EuroLink Android APP
	A1436	BT dongle
	A1160	Fast charger for 8xAA batteries, incl 6x NiMH AA
	S2026	Earth test set, 3-wire, 20m
	S2027	Earth test set, 3-wire, 50m

TransNet New Zealand Ltd Auckland

78 Cryers Road
East Tamaki
Auckland
NEW ZEALAND
Ph 0800 442 182
Fax 0800 442 183
PO Box 39 383
Howick, Auckland

Wellington

10 Petone Ave
Petone
Wellington
NEW ZEALAND
Ph 04 576 2530
Fax 04 576 0040
PO Box 39 383
Howick, Auckland

sales@transnet.co.nz

NEW ZEALAND

TransNet Tonga Tonga

Lakalakaimonu Multi Utility Complex
Taufa'ahau Road, Poutaha
Nuku'alofa
TONGA
Ph +67 627 939
Fax +67 627 976
PO Box 2932
Nuku'alofa

transnet@kalianet.to

TONGA

