

EurotestLITE MI 3002

EurotestLITE
where excellence
and price-
performance meet



EurotestLITE is a complete multifunction installation safety tester with integrated memory module. Lightweight instrument is ergonomically designed and offers the customer one of the best price-performance ratio on the market. Windows compatible PC Software Eurolink enables downloading of the test data and creation of test reports.

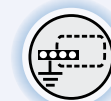
Features:

- Fast and accurate Loop-Impedance measurement without RCD (FI) tripping
- On-Line voltage monitor shows actual L-L, L-N and L-PE voltages
- EurotestLITE supports testing in TT, TN and IT earthing systems
- Optional multi-function test tip supports START of the measurement and saves (SAVE) the test data
- Integrated memory module allows storage up to 500 measurements
- Windows compatible PC Software EuroLink serves for downloading , data management and test report creation purposes and comes delivered in a standard set
- A set of rechargeable batteries is included in a standard set

Functional conformity: VDE 0413, EN/IEC 60364, EN 61557, BS 7671, CEI 64.8, HD 384CE

Safety and EMC conformity: EN 61010-1, EN 61326

PE Continuity



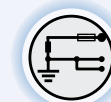
Insulation resistance



RCD(FI) testing



Fault Line and Loop impedance



Voltage monitor



Technical specifications

Insulation resistance (EN 61557-2)

Measuring range (MΩ): 0.000 ÷ 199.9; Accuracy ±(5 % of reading +3 Digits),
 $U_N=100\text{ V} \text{---}, 250\text{ V} \text{---}$
 0.000 ÷ 199.9; Accuracy ±(2 % of reading +3 Digits),
 $U_N=500\text{ V} \text{---}, 1000\text{ V} \text{---}$
 200 ÷ 999; Accuracy ±(10 % of reading.),
 $U_N=500\text{ V} \text{---}, 1000\text{ V} \text{---}$

Nominal voltage: 100 V, 250 V, 500 V, 1 kV (---)
 Test current: min. 1 mA b at $R_N=U_N \times 1\text{ k}\Omega/\text{V}$
 Short circuit current: <3 mA---

Continuity measurement (EN 61557-4)

Measuring range (Ω): 0.00 ÷ 19.99; Accuracy ±(3% of reading +3 Digits)
 20.0 ÷ 99.9, 100 ÷ 1999; Accuracy ±(5% of reading)
 Test current: min. ±200 mA--- at 2 Ω
 Open circuit voltage: 6.5 V--- ÷ 9.0 V---

Low Ω (7mA) measurement

Open circuit voltage (Ω): 0.0 ÷ 99.9, 100 ÷ 1999; Accuracy ±(5% of reading +3 Digits)
 Test current: Max. 8.5 mA ---
 Open circuit voltage: 6.5 V--- ÷ 9.0 V---

Line impedance ZL (L-L, L-N) (EN 61557-3)

Measuring range (Ω): 0.00 ÷ 19.99, 20 ÷ 99.9, 100 ÷ 1999;
 Accuracy ±(5% of reading +3 Digits)
 $I_{sc}: 0.00\text{ A} \div 24.4\text{ kA}$

Nominal line voltage: 100 V ÷ 440 V, /45 Hz ÷ 65 Hz

Loop impedance ZLOOP (L-PE) (EN 61557-3)

Measuring range (Ω): 0.00 ÷ 19.99, 20 ÷ 99.9, 100 ÷ 1999;
 Accuracy ±(5% of reading +5 Digits)
 $I_{sc}: 0.00\text{ A} \div 24.4\text{ kA}$

Nominal line voltage: 100 V ÷ 264 V, /45 Hz ÷ 65 Hz

Voltage, frequency

Measuring range (V): 0 ÷ 500 V; Accuracy ±(2 % of reading +2 Digits)
 On-Line Voltage-monitor for all measuring functions
 45 Hz ÷ 65 Hz; accuracy ±2 Digit

Measuring range (Hz):

Phase sequence (EN 61557-7)

Displayed result: 1.2.3 or 2.1.3
 Nominal line voltage: 100 V ÷ 440 V, /45 Hz ÷ 65 Hz

RCD (FI) testing (EN 61557-6)

Measuring range (I_{AN}): 10 mA, 30 mA, 100 mA, 300 mA, 500 mA, 1000 mA
 Nominal line voltage: 100 V ÷ 264 V, /45 Hz ÷ 65 Hz

Contact voltage (U_c):
 Measuring range (V): 0.0 ÷ 9.9, accuracy (-0 % ÷ +10 % of reading +2 Digits)
 10 ÷ 99.9, accuracy (-0 % ÷ +10 % of reading)

Calculated

Fault Loop Impedance R_s : $R_s=U_c / I_{AN}$

Trip-out time for standard RCD(FI) devices (no time delay)

$I_{AN} \times 1$; $I_{AN} \times 0.5$: 0 ms ÷ 300 ms (500 ms)
 $I_{AN} \times 2$: 0 ms ÷ 150 ms (200 ms)
 $I_{AN} \times 5$: 0 ms ÷ 40 ms (150 ms),
 U_c : 0.0 V ÷ 100.0 V

Trip-out current

Measuring range I_{AN}
 bei $I_{AN}=10\text{ mA}$
 $0.2 \times I_{AN} \div 1.1 I_{AN}$ (AC Typ), accuracy ±0.1 × I_{AN}
 $0.2 \times I_{AN} \div 2.2 I_{AN}$ (A Typ), accuracy ±0.1 × I_{AN}
 bei $I_{AN}=30\text{ mA}$
 $0.2 \times I_{AN} \div 1.1 I_{AN}$ (AC Typ), accuracy ±0.1 × I_{AN}
 $0.2 \times I_{AN} \div 1.5 I_{AN}$ (A Typ), accuracy ±0.1 × I_{AN}

General data

Supply voltage: 9 V_{DC} (6 × 1.5 V (6 × 1.5 V, Battery alkaline or rechargeable size AA)
 Charger: 12 V ÷ 15 V
 Over-voltage category: CAT III / 600 V; CAT IV / 300 V
 Protection class: double insulation
 Pollution degree: 2
 Degree of protection: IP 42
 Display: 128 × 64 dots matrix display with backlite)
 Dimensions: (230 × 103 × 115) mm
 Weight (incl. batteries): 1.32 kg
 Operating temperature: 0 °C ÷ 40 °C

Ordering information

Standard set

Part No.: MI 3002



- Soft carrying neck belt
- Soft carrying bag
- Schuko-plug test cable
- Universal test cable, 3 × 1.5 m
- Power supply adapter with 6 pcs NiMH, AA batteries
- Test tip: blue, black, green
- Alligator clip, 3 pcs
- RS232/PS2 cable
- USB cable
- Instruction manual-short
- Instruction manual on CD
- Product verification data

Optional Accessories

Photo	Order No.	Description
	A 1110	Three phase cable
	A 1111	Three phase adapter
	A 1153	Test lead, black 20 m
	A 1154	Test lead, black 4 m
	A 1164	Test lead, black 50m
	A 1160	Fast 6 cells AA charger with a set of 6 pcs NiMH batteries
	A 1169	Fast 12 cells charger, AA size
	A 1170	Schuko plug commander
	A 1245	Commander - holder

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



Measuring and Regulation Equipment Manufacturer

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