

**NEW**

# Voltage & Continuity Tester

**MD1050-LED**  
**MD1150-LCD**



### MD 1050-LED

#### Key Features

- Voltage testing up to 1000 V
- Automatic AC/DC recognition
- Continuity buzzer and led to indicate resistances below 500 k $\Omega$
- Phase & Rotating Field Test
- RCD trip testing
- Diode Test
- Auto Power Off
- LED display

### MD 1150-LCD

#### Key Features

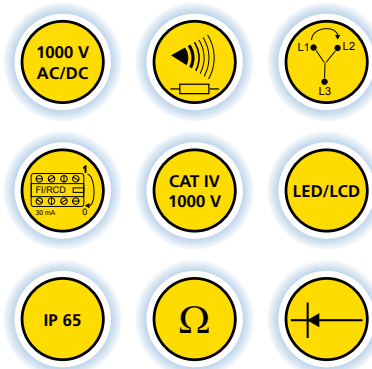
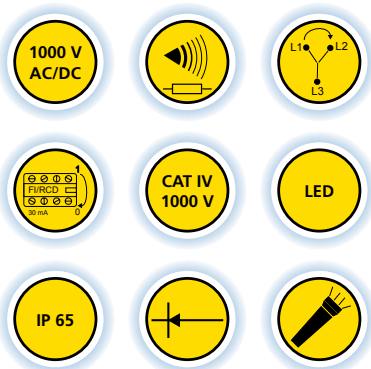
- Voltage testing up to 1000 V
- Automatic AC/DC recognition
- Continuity testing up to 2000  $\Omega$
- Phase & Rotating Field Test
- RCD fault test
- Diode Test
- Auto Power Off
- Data Hold
- LCD display with backlight

### Special Features

- RCD fault test
- IP65-protection degree
- CAT IV 1000 V
- Automatic AC/DC recognition
- 3 years warranty

### Standards

- conforms to GS38,
- DIN VDE 0411 and IEC/EN 61243-3



# Technical Specification

	MD1050-LED	MD1150-LCD
<b>AC/DC Voltage</b>		
Test Range	12 V ÷ 1000 V	6 V ÷ 1000 V
Operation time	Max. 30 s	Max. 30 s
Response Time	<1s	<1s
Frequency Range	0 ÷ 400 Hz	0 ÷ 400 Hz
<b>Continuity &amp; Diode Test</b>		
Indication	Acoustical and LED indication	Acoustical and LCD indication
Resistance range	0 ÷ 500 kΩ	0 ÷ 2 kΩ
Test Current	400 μA	4 μA
<b>RCD trigger test</b>		
RCD fault test	for tripping 30 mA RCD	for tripping 30 mA RCD
<b>Phase Testing</b>		
Phase Testing	Single-Pole Phase testing	Single-Pole Phase testing
Phase Sequence	Two-Pole Phase Sequence testing	Two-Pole Phase Sequence testing
Phase indication	>100 V AC	>100 V AC
<b>Display</b>		
	LED bargraph	3 ½ digit, LC display with backlight
Tolerance	12 V, 24 V, 48 V, 120 V, 230 V, 400 V, 690 V, 1000 V	6 V ÷ 1000 V ±(2% rgd. + 4D)
<b>Safety &amp; Protection</b>		
Overload Category	CAT IV 1000 V	CAT IV 1000 V
Compliant to standards	IEC/EN 61243-3, DIN VDE 0411, IEC 61010, GS38	IEC/EN 61243-3, DIN VDE 00411, IEC61010, GS38
Protection degree	IP65 For outdoor use: Water jet and dust tight protection	IP65 For outdoor use: Water jet and dust tight protection
<b>Temperature range</b>		
	-10 ÷ 55 °C	-10 ÷ 55 °C
<b>Power supply</b>		
	2 x 1,5 V Type AAA Micro	2 x 1,5 V Type AAA Micro
<b>Dimensions</b>		
Weight	200 g	200 g
Dimensions	238 x 70 x 30 mm	238 x 70 x 30 mm

## Ordering Information

### MD 1050-LED

#### Voltage and Continuity Tester

Product Includes:

- Instrument MD 1050
- Plastic probe guard in accordance with GS 38, 2 pcs
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual



### MD 1150-LCD

#### Voltage and Continuity Tester

Product Includes:

- Instrument MD 1150
- Plastic probe guard in accordance with GS 38, 2 pcs
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual



**METREL®**

Measuring and Regulation Equipment Manufacturer

METREL d.d.  
Ljubljanska 77  
SI-1354 Horjul  
Tel: + 386 (0)1 75 58 200  
Fax: + 386 (0)1 75 49 226  
E-mail: [metrel@metrel.si](mailto:metrel@metrel.si)  
<http://www.metrel.si>