Voltage & Continuity Tester

MD 1060 & MD 1160 Voltage and Continuity Tester

A two-pole voltage detector is a basic tool kit for electricians. High quality rubber construction makes this the professional's choice. Both models support Voltage measurement, Continuity measurement, Single pole test, Phase rotating field test and a torch function via a white LED for working in dark areas. The products are built in accordance to the latest voltage tester standard IEC/EN 61243-3:2014 and are GS approved by TÜV test lab.

MEASURING FUNCTIONS

- AC, DC voltage testing;
- Phase testing;
- Rotary field testing;
- Continuity testing.

KEY FEATURES

- Voltage testing up to 690 V;
- Automatic AC/DC recognition;
- Continuity buzzer and led to indicate resistances below 500 kΩ;
- Phase & Rotating Field Test;
- Auto Power Off;
- LED display (MD 1060), LCD display (MD 1160);
- Optical and Acoustic indication of Protective Extra Low Voltage.

APPLICATION

- Mid level electrical testing;
- Mid level electronic fault finding;
- Field servicing;
- General purpose.

DIRECTIVES

- IP64-protection degree
- CAT IV 600 V
- Automatic AC/DC recognition

STANDARDS

- Conforms to GS38,
- DIN VDE 0411 and IEC/EN 61243-3:2014

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TECHNICAL SPECIFICATION

	MD1060-LED	MD1160-LCD
AC VOLTAGE		
Test Range	12 V ÷ 690 V	12 V ÷ 690 V
Response Time	<1s	<1s
Frequency Range	16 ÷ 400 Hz	16 ÷ 400 Hz
DC VOLTAGE		
Test Range	12 V ÷ 690 V	12 V ÷ 690 V
Response Time	<1s	<1s
CONTINUITY		
Indication	Acoustical and LED indication	Acoustical and LED indication
Continuity test (Acoustic)	0 ÷ 500 kΩ +50%	0 ÷ 500 kΩ +50%
Test Current	3.5 mA	3.5 mA
PHASE TESTING		
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
Display	LED bargraph	LC display
Tolerance	12 V, 24 V, 50 V, 120 V, 230 V, 400 V, 690 V	0 V ÷ 690 V ± (3% ± 5dgt)
SAFETY & PROTECTION		
Overload Category	CAT IV 600 V	CAT IV 600 V
Compliant to standards and directives	IEC/EN61243-3:2014 EN 61326-1 IEC60529 DIN VDE 0682-401 DIN EN 61140 EMV 89/336/EEC LVD 73/23/EEC WEEE 2002/96/EG	IEC/EN 61243-3:2014 EN 61326-1 IEC60529 DIN VDE 0682-401 DIN EN 61140 EMV 89/336/EEC LVD 73/23/EEC WEEE 2002/96/EG
Protection degree	IP64 For outdoor use: Water jet and dust tight protection	IP64 For outdoor use: Water jet and dust tight protection
Temperature range	-15 ÷ 55 °C	-15 ÷ 55 °C
Power supply	2 x 1,5 V Type AAA Micro	2 x 1,5 V Type AAA Micro
DIMENSIONS		
Weight	200 g	200 g
Dimensions	240 x 60 x 20 mm	240 x 60 x 20 mm

ORDERING INFORMATION

Standard set MD 1060
- Instrument MD 1060-LED
- Plastic probe guard in accordance with GS 38, 2 pcs
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual

ORDERING INFORMATION

Standard set MD 1160
- Instrument MD 1160-LCD
- Plastic probe guard in accordance with GS 38, 2 pcs
- 1.5 V battery, type AAA, 2 pcs
- Instruction manual

RECOMMENDED ACCESSORIES
- Calibration certificate

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

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