



Voltage tester MD 1000

Order No. 20 991 357

The MD 1000 is a multi-function voltage tester. Because of its broad spectrum of measurement functions, it is suitable for use both in the home and in trade and industrial sectors.

Test functions:

- Voltage display
- Phase rotation determination
- Continuity test
- RCD trip test

Key Features:

- 12 V - 690 V DC and AC voltage range
- Optical and acoustic continuity test
- Phase rotation measurement (no 3-lead meter required)
- RCD trip test (10-30 mA automatic internal load)
- Phase search
- User-friendly, one-handed operation on Schuko and CEE mains sockets (19 mm test probe spacing)
- IP65 – protected against spray water and dustproof
- CAT IV/1000 V overvoltage category

Technical data

Anzeige	10 red LEDs for voltage, continuity, polarity and phase rotation measurement
Nominal voltage range	12 V, 24 V, 48 V, 120 V, 230 V, 400 V, 690 V (automatisches Messbereichwahl)
Phase display	>100 V AC
Resistance range	0 ÷ 500 kΩ
Frequency range	0 ÷ 400 Hz
RCD test current	30 mA
Phase rotation determination	100 V ÷ 690 V, 2 polig
Reaction time	< 0.1s
Power supply	2x1.5 V Typ AAA
Overvoltage category	CAT IV/1000V
Protection class	IP 65

Delivery package

Item No. **MD 1000**





Voltage tester MD 1000
 2 x 1.5 V AAA (micro) size batteries
 Captive test probe protection
 Plastic probe guard (in accordance with GS38)
 User manual
 Warranty

Dimensions:

Size (W x H x L): 70 x 30 x 238 mm
 Weight (without accessories): 200 g

Voltage tester comparison

Item No.	MD 1100	MD 1000
		
Technical data		
AC, DC voltage		
Range	12 V ÷ 690 V	12 V ÷ 690 V
Basic accuracy (%)	±(2.0 % of reading + 4 digits)	
Operating time	Max. 30 s	Max. 30 s
Reaction time	<1s	<1s
Frequency range	0 ÷ 400 Hz	0 ÷ 400 Hz
Continuity and diode test		
Display	acoustic and LCD display	acoustic and LED display
Resistance range	0 ÷ 2 kΩ	0 ÷ 500 kΩ
Test current	4 μA	400 μA
RCD trip test		
RCD check	to trip 30 mA RCD, FI circuit breakers	to trip 30 mA RCD, FI circuit breakers
Phase test		
Phase test	1-phase test	1-phase test
Phase rotation	2-phase phase rotation test	2-phase phase rotation test
Voltage display	>100 V AC	>100 V AC
Display		
Ranges	3 ½ digit, LCD with backlight 12V ÷ 690V ±(2% of reading + 4D)	LED bar display 12V, 24V, 48V, 120V, 230V, 400V, 690V
Equipment safety		
Overvoltage category	CAT IV/1000 V	CAT IV/1000 V
Standards	IEC, EN 61243-3, DIN VDE 0682-401 IEC61010, GS38	IEC, EN 61243-3, DIN VDE 0682-401, IEC 61010, GS38
Protection class	IP 65 for external use, protected against water spray and dust	IP 65 for external use, protected against water spray and dust
Power supply		
	2 x 1.5 V AAA (micro) size batteries	2 x 1.5 V AAA (micro) size batteries
Dimensions		
Weight	200 g	200 g
Size	238 x 70 x 30 mm	238 x 70 x 30 mm