



## Voltage tester MD 1100

Order No. 20 991 356



The MD 1100 is a high-quality voltage tester designed for the most demanding duties. With a broad spectrum of measurement functions and CAT IV/1000 V overvoltage category, the device is suitable for both the industrial sector and for every-day maintenance and repair practice.

### Test functions:

- Voltage display
- Phase rotation determination
- Continuity
- RCD (FI) trip test

### Key Features:

- 12 V-690 V DC and AC voltage range
- Data-hold function
- LCD display with backlight
- 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)
- Automatic switch off
- IP65 - protected against spray water and dustproof
- CAT IV/1000 V overvoltage category

### Technical data

Display	3-1/2 digit LCD display with backlight
Nominal voltage range	12 V - 690 V (automatic range selection)
Phase indication	>100 V AC
Resistance range	0 ÷ 2 kΩ
Frequency range	0 ÷ 400 Hz
RCD test current	30 mA
Phase rotation determination	100 V ÷ 690 V, 2 pole
Reaction time	< 0.1 s
Power supply	2 x 1.5 V AAA size batteries
Overvoltage category	CAT IV/1000V
Protection class	IP 65

### Delivery package

Item No. MD 1100





Voltage tester MD 1100  
 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
		
<b>Technical data</b>		
<b>AC, DC voltage</b>		
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
<b>Continuity and diode test</b>		
Display	acoustic and LCD display	acoustic and LED display
Resistance range	0 ÷ 2 kΩ	0 ÷ 500 kΩ
Test current	4 μA	400 μA
<b>RCD trip test</b>		
RCD check	to trip 30 mA RCD, FI circuit breakers	to trip 30 mA RCD, FI circuit breakers
<b>Phase test</b>		
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
<b>Display</b>		
Ranges	3 ½ digit, LCD with backlight 12V ÷ 690V ±(2% of reading + 4D)	LED bar display 12V, 24V, 48V, 120V, 230V, 400V, 690V
<b>Equipment safety</b>		
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
<b>Power supply</b>		
	2 x 1.5 V AAA (micro) size batteries	2 x 1.5 V AAA (micro) size batteries
<b>Dimensions</b>		
Weight	200 g	200 g
Size	238 x 70 x 30 mm	238 x 70 x 30 mm