

RoHS  
Compliant

## Features



- Complies with EN 61243-3: 2014
- LED Indication Range: 12V to 1000V DC and AC
- Independent ELV indicator LED, indicates if >50V AC/120V DC is present even in the event of no battery power of main circuit failure.
- LCD Indication Range: 6V to 1000V dc and ac
- Resistance Measurement: LCD 3½ digit (0 to 1999 Ω/1Ω resolution)
- LCD Backlight Display HOLD: Freeze/unfreeze display with voltage or resistance measurement
- Rugged, Double-Insulated Wire
- Fixed Impedance -300 kΩ (≤3.5 mA @ 1000V) Switchable Load by 2 pushbuttons(30 mA @ 230V)
- Single-Pole Phase Test (also operates with gloves) Rotary Field Direction (also operates with gloves) Continuity Test / Diode Test
- Fashlight
- Beeper for Continuity / Phase / ACV
- 19mm Probe Tip distance when docked
- CAT III 1000V / CAT IV 600V
- IP64 rating

## Specifications

LEDs	
LED voltage range	12V to 1000V AC/DC
LED resolution	±12, 24, 50, 120, 230, 400, 690, 1000V AC/DC
Tolerance	Complies with EN 61243-3: 2014
Frequency range	0/40Hz to 400 Hz
Response time	≤1 seconds
Auto power on	Auto power on ≥12V AC/DC
LCD	
LCD display	1999 counts (3 1/2 digit) LCD display with bargraph & backlight
Voltage range	6V to 1000V AC/DC
Resolution	1V AC/DC
Tolerance	±3.0% of reading ±5 digit
Frequency range	0/40Hz to 400 Hz
Response time	≤1 seconds
Auto power on	Auto power on ≥ 6V AC/DC
<b>Voltage detection</b>	Automatic
<b>Polarity detection</b>	Full range
<b>Range detection</b>	Automatic
<b>Internal basic load impedance Peak current</b>	Maximum 3.5mA at 1000 V 350 kΩ/1s<3.5mA(no RCD tripping)
<b>Operation time</b>	Duration Time = 30 seconds
<b>Recovery time</b>	Recovery Time = 240 seconds

<b>Switchable Load</b>	~7 kΩ
Peak current	Is (load) = 150mA
RCD tripping	~30mA @ 230V
<b>Continuity Test</b>	0 to 400kΩ
Accuracy	nominal resistance ±50%
Test current	≤5 μ A
<b>Resistance Measurement</b>	0Ω to 1999Ω
Resolution	1Ω
Tolerance	±(5% rdg + 10 digits) @ 20°C
Temperature coefficient	±5 digits/10K
Test current	≤30μA
<b>Single-pole Phase Test</b>	100V to 1000V AC
Frequency range	50 Hz to 400Hz
<b>Rotary Field Indication</b>	
Voltage range(LEDs)	100V to 1000V
Frequency range	50/60Hz
<b>Measurement principle</b>	Double-pole and contact electrode
<b>Safety standards</b>	EN61243-3:2014
<b>Agency approvals</b>	TÜ V Rheinland -GS
<b>Overvoltage protection</b>	1000V AC/DC
<b>Measurement category</b>	CAT III 1000V / CAT IV 600V
<b>Protection degree</b>	IP64
<b>Power supply</b>	2 × 1.5V "AAA" Batteries
<b>Power consumption</b>	Max.30mA / approx..250mW
<b>Temperature range</b>	-10°C up to +55°C
<b>Humidity</b>	max.85% relative humidity

## Part Number Table

Description	Part Number
Voltage Tester, LED, 1KV, AC/DC, LED/LCD	MP760855

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