

Voltage Tester

Features

- Complies with EN 61243-3:2014
- LED indication range: 12 V to 1000 V dc and ac
- Independent ELV indicator LED, indicates if >50 V ac/120 V dc is present even in the event of no battery power or main circuit failure
- LCD indication range: 6 V to 1000 V 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 @ 1000 V)
- Switchable load by 2 pushbuttons (30 mA @ 230 V)
- Single-pole phase test (also operates with gloves)
- Rotary field direction (also operates with gloves)
- Continuity test / diode Test
- Flashlight
- Beeper for continuity/phase/ACV
- 19 mm probe tip distance when docked
- CAT III 1000 V / CAT IV 600 V
- IP64 rating



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3



Specification

LEDs

Voltage Range	12 V to 1000 V AC / DC
Resolution	±12 V, 24 V, 50 V, 120 V, 230 V, 400 V, 690 V, 1000 V
Tolerance	Complies with EN 61243-3:2014
Frequency Range	0 / 40 Hz to 400 Hz
Response Time	≤0.5 second
Auto Power ON	≥12 V AC / DC

LCD

Voltage Range	6 V to 1000 V AC / DC
Resolution	±1 V
Tolerance	±(3 % rdg + 5 digits)
Frequency Range	0 / 40 Hz to 400 Hz
Response Time	≤1 second
Auto Power ON	≥6 V AC / DC
Voltage Detection	Automatic
Polarity Detection	Full Range
Range Detection	Automatic
Internal Basic Load Impedance Peak Current	Maximum 3.5 mA at 1000 V 300 kΩ / Is <3.5 mA (no RCD tripping)
Operation Time	Duration Time = 30 Seconds
Recovery Time	240 seconds
Switchable Load	~7 kΩ
Peak Current	Is (load) = 150 mA
RCD Tripping	I=30 mA @ 230 V
Continuity Test	0 to 400 kΩ
Accuracy	Nominal Resistance +50 %
Test Current	≤5 μA
Single-Pole Phase Test	100 V ac to 1000 V ac
Frequency Range	40 Hz to 60 Hz

Voltage Tester



Rotary Field Indication

Voltage Range (LEDs)	100 V to 1000 V (phase to earth)
Frequency Range	50 Hz to 60 Hz
Resistance Measurement	0 Ω to 1999 Ω
Resolution	1 Ω
Tolerance	$\pm(5\% \text{ rdg} + 10 \text{ digits}) @ 20\text{ }^\circ\text{C}$
Temperature Coefficient	$\pm 5 \text{ digits} / 10 \text{ K}$
Test Current	$\leq 30 \mu\text{A}$

Size(H x W x D): 240 x 73 x 34mm

Weight: 237g

Accessories

Test leads, carrying case, temperature probe, 9 V battery

Art. Nr.

RND 365-00010