

AC/DC VOLTAGE DETECTOR & ELECTRICAL TESTER PRO ELEC+

GENERAL SPECIFICATIONS

- 3-1/2 Digits 1999 counts with back-lit LCD
- Built-in Flashlight for working in low-light boxes and spaces
- Automatically detects AC/DC Voltage
- LED display for AC/DC Voltage values along with numeric display
- AC Voltage bandwidth 400Hz
- Auto Polarity indication
- Phase Rotation indication
- Continuity testing
- Resistance measurement
- Single-pole Phase testing
- RCD tripping test of 30mA
- IP67 Water and Dust Proof
- 2 X 1.5V AAA battery operated
- Confirms to CATIII 1000V / CATIV 600V
- EN61243-3:2014
- Agency Approval: TÜV Rheinland – GS
- Overload protection 1000V AC/DC

TECHNICAL SPECIFICATION

LEDS	
LED Voltage Range	12V to 1000V AC/DC
LED Resolution	±12, 24, 50, 120, 230, 400, 690, 1000V AC/DC
Tolerances	Complies with EN 61243-3:2014
Frequency Range	0/40Hz to 400Hz
Response Time	≤1 second
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
Tolerances	±3.0% of reading ±5 digit
Frequency Range	0/40Hz to 400Hz
Response Time	≤1 second
Auto Power On	Auto power on ≥6V AC/DC



AC/DC VOLTAGE DETECTOR & ELECTRICAL TESTER PRO ELEC+

Voltage Detection	Automatic
Polarity Detection	Full Range
Range Detection	Automatic
Internal Basic Load Impedance Peak Current	Maximum 3.5 mA at 1000 V 350 k Ω / Is<3.5 mA (no RCD tripping)
Operation Time	Duration Time = 30 seconds
Recovery Time	Recovery Time = 240 seconds
Switchable Load	~7K Ω
Peak Current	Is (load) = 150mA
RCD Tripping	~30mA@ 230V
Continuity Test	0 to 400 k Ω
Accuracy	Nominal Resistance \pm 50%
Test Current	\leq 5 μ A
Resistance Measurement	0 Ω to 1999 Ω
Resolution	1 Ω
Tolerance	\pm (5% rdg +10 digits) @ 20°C
Temperature Co-efficient	\pm 5 digits / 10 K
Test Current	\leq 30 μ A
Single-pole Phase Test	100V to 1000V AC
Frequency Range	50Hz to 400Hz
Rotary Field Indication	
Voltage Range (LEDs)	100V ~ 1000V
Frequency Range	50/60Hz
Measurement Principle	Double-pole and contact electrode
Safety Standards	EN61243-3:2014
Agency Approvals	TUV Rheinland -GS
Over Voltage Protection	1000V AC/DC
Measurement Category	CATIII 1000V / CATIV 600V
Protection Degree	IP64
Power Supply	2x1.5V "AAA" Batteries
Power Consumption	Max.30mA / Approx. 250mW
Temperature Range	-10°C up to 55°C
Humidity	Max.85% relative humidity

