

Megger TPT420 CATIV 1000V 2 Pole Tester

Product Images

Product Code: C72-2514



Short Description

The Megger TPT420 voltage tester is designed to provide electricians and electrical engineers with an easy to use voltage indicating instrument. The meter will continue to warn the operator of dangerous test voltages even when the batteries are exhausted.

With both LCD and LED displays, the TPT420 provides both AC and DC voltage measurement - from 12 to 1000 V AC and up to 1500 V DC. In addition, a continuity function within the range 0 to 500 k Ω , is included and for added safety, continuity and voltage measurements are also accompanied by an acoustic sounder.

A bright, integrated LED torch aids the operator when working in poorly lit environments. When testing between phase and earth on any circuit protected by an RCD, RCBO and Safety Breaker, the TPT420 is designed to work below the tripping threshold of these devices to help avoid unintentional disconnection.

The phase rotation indication test has been simplified, which now avoids the crossing of the test probes, adopted by some 2 pole testers. The TPT420 can also perform a single pole voltage indication test.

With safety in mind, the TPT420 is rated at CAT IV 1000V with an IP64 housing and conforms to the latest IEC/EN 61243-3 and DIN VDE 0682-401 standards.

For compliance, GS38 probe tip shrouds are provided as standard, along with a protective storage and carry pouch.

Designed for testing within electrical installations, the unit can be used in almost any application where voltage and continuity measurements are required, including automotive, fire alarm & solar/PV systems.

Specifications (At 23°C $\pm$ 5°C, $\leq$ 80% R.H.)

Display: 13 LEDs, 4 Digit LCD (0.1V Resolution)

Voltage range: LED: $\pm$ 12, 24, 50, 120, 230, 400, 690, 1000 V / LCD: 12 - 1000 V AC/1500 V DC

Voltage Warning Indication LED: <50 VAC, <120 VDC

Backlight: Automatic

Polarity indication: Automatic

Frequency range: 40 – 400Hz

Peak current: I_s < 3.5 mA (@1000 V)

Single pole test: 100 – 1000 V AC (50/60 Hz)

Phase Rotation: 120 - 400 V Phase to phase, AC 50/60 Hz

Continuity Indication: >500 k Ω + 50%

Overvoltage category: CAT IV 1000V

Pollution Degree: 2

Ingress Protection: IP64

In compliance with: EN 61010, EN 61243-3:2014, DIN VDE 0682-401

Operating Temperature: -5 to 40°C (Storage: -20 to 70°C)

Humidity: Max 85% RH

Altitude: Up to 2000 m

Power supply: 2 x 1.5V batteries. Type AAA LR03

Length of cable: 1.2m

Dimensions: 255 x 67 x 30mm

Weight: 207g

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