

TPT420 Voltage Tester



- CAT IV / 1000 V
- IP64 Rated
- AC/DC Voltage tester
- 12...1000 V AC
- 12...1500 V DC
- LED and LCD Display
- Continuity test function with visual and acoustic indication
- Voltage indication with no batteries
- Single pole voltage test
- Phase rotation indication
- Integrated torch light

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 1000 V 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.

APPLICATION

Although 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 and solar / PV systems.

TPT420

Voltage Tester

SPECIFICATIONS: (All at 23°C ±5°C, ≤80% R.H.)

Display 13 LEDs, 4 Digit LCD
(1 V resolution)

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

**Voltage Warning
Indication LED** <50 V AC, <120 V DC

Backlight Automatic

Polarity indication Automatic

Frequency range 40 – 400Hz

Peak current Is <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 kΩ + 50%

Input Impedance 320 kΩ at 50 V (ELV)

Overvoltage category
CAT IV 1000 V

Pollution Degree 2

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 1.5 V batteries.
Type AAA LR03

Length of cable Approximately 1.2 m

Dimensions Approximately
255 (H) x 67 (W) x 30 mm (D)

Weight Approximately 207 g

ORDERING INFORMATION

Description	Order Code	Optional Accessories	Order Code
TPT420	1013-189	Euro spare metal tips (10 pcs supplied in bag)	2005-269
Included Accessories		GS38 spare shrouds (10 pcs supplied in bag)	1013-365
Pouch	2005-536	MPU690 proving unit	1001-561
GS38 shrouds			
Batteries 2 x AAA			

SALES OFFICE

Megger Limited
Archcliffe Road Dover
CT17 9EN England
T +44 (0) 1304 502101
E UKsales@megger.com

TPT420_DS_EN_V03

www.megger.com
ISO 9001
The word 'Megger' is a registered trademark

Megger[®]