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 kΩ, 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 & solar/PV systems.

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

Display	13 LEDs, 4 Digit LCD (0.1V 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 VAC, <120 VDC
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%
Overvoltage category	CAT IV 1000V
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 1.5V batteries. Type AAA LR03
Length of cable	Approximately 1.2m
Dimensions	Approximately 255 (H) x 67 (W) x 30mm (D)
Weight	Approximately 207g

ORDERING INFORMATION

Description	Order Code
TPT420	1013-189
Included Accessories	
Pouch	2005-536
GS38 shrouds	
Batteries 2 x AAA	

Optional Accessories	Order Code
Euro spare metal tips (10 pcs supplied in bag)	2005-269
GS38 spare shrouds (10 pcs supplied in bag)	1013-365
MPU690 proving unit	1001-561

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