FLUKE®

T+ and T+PRO Electrical Testers

Safer than traditional solenoid testers and fully compliant with NFPA 70E[1]

Technical Data

These electrical testers have all the advantages of traditional solenoid testers, with none of the typical drawbacks. Use all 3 voltage detection methods – light, sound, and vibration, to work more efficiently in noisy environments, dimly lit areas, or tight spaces. Built-in flashlight, GFCI trip capability, and the legendary ruggedness you expect from Fluke, make these an excellent choice for most residential, commercial, and industrial applications.

The Fluke T+PRO is the choice for the demanding commercial and industrial electrician. This full-featured electrical tester includes voltage and continuity measurement, a Rotary Field Indicator, resistance, and a digital display with 0.1 V resolution.

The Fluke T+ is the basic electrical tester for residential electricians and HVAC technicians, who need a durable, reliable tool for testing voltage and continuity.



Features and Benefits

- 3 forms of ac/dc voltage detection: light, sound, and vibration for added user protection and convenience
- Detect live voltage even when the battery is dead
- Extra heavy-duty, replaceable test leads for more flexibility and durability
- CAT IV 600 V, CAT III 1000 V rated for added user protection
- Continuity beeper
- Bright LED flashlight for work in poorly lit areas
- GFCI Trip
- On/Off switchable beeper, selectable according to your environment
- Compliant with latest NFPA 70E recommendations[1]

(continued on the next page)

[1] When used properly per Article 110.9 Use of Equipment (A) Test Instruments and Equipment.

Features and Benefits contd.

- Replaceable test probes for added flexibility and convenience
- Convenient probe storage on the back
- Probe holder for easier testing
- Hazardous voltage warning light for added user protection
- Test lead strap included for better test lead management
- AC/DC Voltage: 12 V to 600 V on LED bar, 10.2 V to 600 V on LCD (LCD on T+PRO only)
- Auto-off saves battery power
- Two-year warranty

Added functionality available only on the T+PRO

- Backlit LCD display for easier viewing
- Display resolution of 0.1 V, ideal for troubleshooting low-voltage lighting
- Resistance (Ohms) to 9.99 kOhms
- Rotary Field Indication
- Display Hold for easier viewing in hard-to-test areas

Specifications

Temperature	
Operating	-10 °C to 55 °C (14 °F to 131 °F)
Storage	-30 °C to 60 °C (-22 °F to 140 °F)
Relative humidity	0 °C to 30 °C (32 °F to 86 °F): 90 %
	30 °C to 40 °C (86 °F to 104 °F): 75 %
	40 °C to 50 °C (104 °F to 122 °F): 45 %
Altitude	
Operating	2,000 m (approx. 6,561.6 ft)
Storage	10,000 m (approx. 32,808.4 ft)
Battery type/life	AAA (2); 40 hours
Shock, vibration	Sinusoidal vibration per MIL-PRF-28800F for a Class 2 instrument
Safety	ISA-82.02.01 (IEC 61010-1 Mod) Second Edition, CAN/CSA-C22.2 No. 61010-1 Second Edition, IEC 61010 - 1 to 1000 V CAT III/600 V CAT IV
	Compliance to NFPA 70E[1]
AC Bandwidth	45 Hz to 66 Hz
Maximum working voltage	1000 V ac/dc
Maximum measurable voltage	600 V ac/dc
Duty cycle	Indefinitely for voltages up to 240 V
	For voltages between 240 V and 600 V the duty cycle is 30 s on / 300 s off
	For voltages above 240 V the tester must connect to a voltage source only for a MAXIMUM of 30 s and then disconnect for a MINIMUM of 300 s

[1] When used properly per Article 110.9 Use of Equipment (A) Test Instruments and Equipment.

Specifications cont.

Voltage hazard LED	LEDs turn on at voltages > 30 V ac/dc ± 35 %
LED voltage indication levels	12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 277 V, 480 V, 600 V
LED voltage indication levels for Canadian version	12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 347 V, 480 V, 600 V
LEDs	LEDs turn on between 70 % and 85 % of the indicated voltage on the LED, except for the 12 V LED which turns on between 50 % and 100 %
Accuracy	
AC voltage	± (3 % rdg + 2 digits)
DC voltage	± (2 % rdg + 2 digits)
Resistance	± (5 % rdg + 3 digits)
LCD Resolution	0.1 V for voltages < 50 V, 1 V for voltages ≥ 50 V
	0.01 kΩ for resistance measurement (For T+PRO Only)
GFCI Test current	100 V to 200 V at 20 mA to 35 mA for 1 s
Standard input test current	< 5 mA
Size (HxWxL)	3.3 cm x 5.46 cm x 19.3 cm (1.3 in x 2.15 in x 7.6 in)
Weight	0.28 kg (9.9 oz)



Ordering information

T+PRO	Electrical Tester
T+	Electrical Tester
T+PRO-1AC KIT	Electrical Tester and AC Voltage Detector Kit

Ordering information in Canada*

T+PRO CAN	Electrical Tester
T+ CAN	Electrical Tester
T+PRO CAN-1AC KIT	Electrical Tester and AC Voltage Detector Kit

Includes:
Test leads and probes
Two AAA batteries
Test lead strap for managing leads

Optional accessories

- H3 Belt Holster
- TP2 replacement test probes

*For Canadian customers, voltage indication is provided for 347 V

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