

**TRANSCAT**

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**FLUKE**

# T+ and T+PRO Electrical Testers

**Safer than traditional solenoid testers  
and fully compliant with NFPA 70E<sup>1</sup>**

## 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<sup>1</sup>

(continued on the next page)



<sup>1</sup> 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 – 600 V on LED bar, 10.2 V – 600 V on LCD (LCD on T+PRO only)
- Auto-off saves battery power
- 2-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

<b>Temperature</b>	
Operating	-10 °C to 55 °C (14 °F to 131 °F)
Storage	-30 °C to 60 °C (-22 °F to 140 °F)
<b>Relative humidity</b>	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 %
<b>Altitude</b>	
Operating	2,000 m (approx. 6,561.6 ft)
Storage	10,000 m (approx. 32,808.4 ft)
<b>Battery type/life</b>	AAA (2); 40 hours
<b>Shock, vibration</b>	Sinusoidal vibration per MIL-PRF-28800F for a Class 2 instrument
<b>Safety</b>	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 <sup>1</sup>
<b>AC Bandwidth</b>	45 Hz to 66 Hz
<b>Maximum working voltage</b>	1000 V ac/dc
<b>Maximum measurable voltage</b>	600 V ac/dc
<b>Duty cycle</b>	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.

<sup>1</sup> When used properly per Article 110.9 Use of Equipment (A) Test Instruments and Equipment.

## Specifications contd.

<b>Voltage hazard LED</b>	LEDs turn on at voltages $> 30 \text{ V ac/dc} \pm 35 \%$
<b>LED voltage indication levels</b>	12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 277 V, 480 V, 600 V
<b>LED voltage indication levels for Canadian version</b>	12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 347 V, 480 V, 600 V
<b>LEDs</b>	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 %.
<b>Accuracy</b>	
AC voltage	$\pm (3 \% \text{ rdg} + 2 \text{ digits})$
DC voltage	$\pm (2 \% \text{ rdg} + 2 \text{ digits})$
Resistance	$\pm (5 \% \text{ rdg} + 3 \text{ digits})$
<b>LCD Resolution</b>	0.1 V for voltages $< 50 \text{ V}$ , 1 V for voltages $\geq 50 \text{ V}$
	0.01 $\text{k}\Omega$ for resistance measurement (For T+PRO Only)
<b>GFCI Test current</b>	100 V - 200 V at 20 mA - 35 mA for 1 s
<b>Standard input test current</b>	$< 5 \text{ mA}$
<b>Size (HxWxL)</b>	1.3 in x 2.15 in x 7.6 in (3.3 cm x 5.46 cm x 19.3 cm )
<b>Weight</b>	9.9 oz (0.28 kg)

## Ordering information

<b>T+PRO</b>	Electrical Tester
<b>T+</b>	Electrical Tester
<b>T+PRO-1AC KIT</b>	Electrical Tester and AC Voltage Detector Kit

## Ordering information in Canada\*

<b>T+PRO CAN</b>	Electrical Tester
<b>T+ CAN</b>	Electrical Tester
<b>T+PRO CAN-1AC KIT</b>	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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