

# 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 V ac/dc ± 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  | ± (3 % rdg + 2 digits)   |
| DC voltage  | ± (2 % rdg + 2 digits)   |
| Resistance  | ± (5 % rdg + 3 digits)   |
| <b>LCD Resolution</b>                                     | 0.1 V for voltages < 50 V, 1 V for voltages ≥ 50 V<br>0.01 kΩ 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 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



**Fluke.** Keeping your world up and running.™

Authorised Distributor:



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47400 Petaling Jaya, Selangor Darul Ehsan, Malaysia.  
Email: [info@ampmech.com](mailto:info@ampmech.com)  
Web access: <http://www.ampmech.com>

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