

Introducing Fluke T6 Electrical Testers with FieldSense technology.

measure voltage without test leads

Be safer: Measure voltage to 1000V ac through the open fork, without test leads.

Be faster: No need to open covers or remove wire nuts.

Be more efficient:
Simultaneously measure voltage and current.

Be everywhere: Widest open fork in the industry, measure up to 4/0 wires up to 200 A.



Verify T6 operation with the PRV240FS – with and without test leads

Fluke lets you test where it used to be impossible. Crowded junction boxes. Conductors with inaccessible end points. All without test leads! No exposed conductors. No metallic contact. Just reliable voltage and current measurements. Plus, huge time savings and less chance for something to go wrong.

The new Fluke T6-600 and T6-1000 Electrical Testers with FieldSense technology let you measure voltage the same way you measure current, without test lead contact to live voltage. Just slide the open jaw over a conductor and see the voltage level. Much more than just a voltage detector, these new testers give you a reliable voltage and current measurement, without test leads, and without contacting a bare, metal conductor.¹

Also, making use of FieldSense technology is the new PRV240FS Proving Unit. This device provides a fast, safe and reliable sourcing method to verify that your electrical test tool is operating properly before you conduct any live tests – without having to make electrical contact. The concept of ‘Test Before Touch’ (TBT) involves testing your test tool against a known live source before and after the actual measurement. This sequence verifies that your test tool is operating properly during the actual measurement.

VALUE PROPOSITION

T6 Electrical Testers let you test where it used to be impossible by measuring voltage and current through the open jaw. You can measure voltage (not just detect voltage) without making metallic contact with a live conductor. This means you can:

- Measure voltage and current simultaneously
- Measure in tight spaces by not needing to use test leads
- Save time by taking measurements without needing to remove covers and wire nuts
- Make measurements with one hand, reducing risk





Who uses them?	What are they used for?
<ul style="list-style-type: none"> ○ Commercial electricians ○ Light industrial electricians 	<ul style="list-style-type: none"> ▪ Basic troubleshooting ▪ Verification of voltage and continuity values ▪ Rapidly checking voltage <u>and</u> current measurements without test leads ▪ Verification of individual circuits ▪ The front-line, go-to tool that fits in a pocket

THE T6 TESTERS ARE AN ADDITION TO THE ELECTRICAL TESTER FAMILY THAT INCLUDES THE T5

The new T6 Electrical Testers will be added to the existing family of voltage, continuity and current testers. The existing Fluke T5-600 and T5-1000 Voltage, Continuity and Current Testers will remain as active products and remain unchanged. Please refer to the comparison table below.

¹ Requires capacitive path to ground, provided through user in most applications. Ground connection via test lead may be required in some situations.

MODEL COMPARISON

T5-600 Voltage, Continuity and Current Tester	Fluke T5-1000 Voltage, Continuity and Current Tester	T6-600 Electrical Tester with FieldSense Technology	T6-1000 Electrical Tester with FieldSense Technology
			
<ul style="list-style-type: none"> ○ Open Jaw AC current measurement to 100 A ○ Automatically measures to 600 volts AC or DC via test leads ○ Resistance to 1000 Ω ○ Continuity beeper ○ Withstands a 10 foot (3 m) drop ○ Detachable Slim Reach probe tips are customized for national electrical standards ○ Test leads accept Fluke accessory test clips 	<ul style="list-style-type: none"> ○ Open Jaw AC current measurement to 100 A ○ Automatically measures to 1000 volts AC or DC via test leads ○ Resistance to 1000 Ω ○ Continuity beeper ○ Withstands a 10 foot (3 m) drop ○ Detachable Slim Reach probe tips are customized for national electrical standards ○ Test leads accept Fluke accessory test clips 	<ul style="list-style-type: none"> ○ FieldSense technology for TRMS AC voltage and current measurement without making electrical contact ○ 600 V ac ○ Resistance to 1000 Ω ○ Works with up to 4/0 wire (17.8 mm jaw opening) ○ Easy to read display with backlight ○ Withstands a 10 foot (3 m) drop ○ Detachable Slim Reach probe tips are customized for national electrical standards ○ Test leads accept Fluke accessory test clips ○ TPAK Compatible 	<ul style="list-style-type: none"> ○ FieldSense technology for TRMS AC voltage and current measurement without making electrical contact ○ Simultaneous voltage and current display ○ Frequency measurement ○ 1000 V ac ○ 200 A ac ○ Resistance to 100 kΩ ○ Works with up to 4/0 wire (17.8 mm jaw opening) ○ Easy to read display with backlight ○ Withstands a 10 foot (3 m) drop ○ Detachable Slim Reach probe tips are customized for national electrical standards ○ Test leads accept Fluke accessory test clips ○ TPAK Compatible

PRV240FS Proving Unit



Output voltage:
240 V ac rms or dc, $\pm 10\% \geq 1\text{ M}\Omega$

Provides a safe method to verify that your electrical test tool is operating properly before you conduct any live tests.

Reduces the need for personal protective equipment (PPE) when a known voltage source is not available for verification (PPE is still needed for absence of voltage testing when appropriate).

Sources both ac and dc steady-state voltage—supplies 240 V dc/ac