

Fluke T6-1000 Electrical Tester with FieldSense, 1000V



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Orders over \$100 ship free

Now you can measure voltage without test leads. Be safer, faster, more efficient. And be everywhere, testing where it used to be impossible

Measure voltage ... without test leads

FieldSense technology lets you slide the open fork over a conductor and see the voltage level.¹

- **Be safer:** Measure voltage to 1000 V 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:** 17.8 mm open fork is widest in the industry; measure up to 200 A on 4/0 wires (120 mm²).

Measure voltage up to 1000 V ac through the open fork, without test lead contact to live voltage. Without opening covers or removing wire nuts. On wires up to AWG 4/0 (120 mm²), carrying as much as 200 A. It will change your job. Safer. Faster. Easier.

Product Highlights

- FieldSense technology for ac voltage, current and frequency measurement without making electrical contact to live voltage
- Simultaneous voltage and current display – shows all power supply measurements at a glance for efficient trouble shooting
- 1 to 1000 V ac or dc (T6-1000)
- 0.1 to 200 A ac
- True-rms voltage and current
- Resistance 1 Ω to 100 k Ω
- Frequency measurement 45 Hz to 66 Hz
- Works with wires up to AWG 4/0 (120 mm²) with a 17.8 mm jaw opening
- HOLD button temporarily freezes the reading for easy viewing
- Easy to read display with backlight
- Accepts optional Fluke TPAK Magnetic Meter Hanger for convenient operation
- Standard two-year warranty; extendable to 4 years through product registration within 45 days of purchase*

Voltage measurement requires capacitive path to ground, provided through user in most applications. Ground connection via test lead may be required in some situations. * Register product online within 45 days of purchase to extend warranty to four years. See <http://a.fluke.com/registration> for details. Two-year additional warranty offer may be discontinued without notice

Measurement Specifications

Function	Requires test leads	Range	Resolution	Accuracy ^[1]
FieldSense ac voltage true-rms	No	1000 V	1 V	$\pm (3 \% 3 \text{ counts})$ 45 Hz – 66 Hz ^{[2][3]}
FieldSense ac current true-rms	No	200.0 A	0.1 A	$\pm (3\% 3 \text{ counts})$ 45 Hz – 66 Hz
FieldSense frequency (Hz)	No	45 Hz – 66 Hz	1 Hz	$\pm (1\% 2 \text{ counts})$ ^[3]
Volts ac true-rms	Yes	1000 V	1 V	$\pm (1.5\% 2 \text{ counts})$ 45 Hz – 66 Hz
Volts dc	Yes	1000 V	1 V	$\pm (1\% 2 \text{ counts})$

	Yes	2000 Ω	1 Ω	
Resistance	Yes	20.00 k Ω	0.01 k Ω	\pm (1% 2 counts)
	Yes	100.0 k Ω	0.1 k Ω	
		1000 V CAT		
Safety		III		
		600 V CAT		
		IV		

Accuracy^[1]: \pm ([% of reading] [number of least significant digits]). Accuracy is specified for 1 year after calibration, at 18 °C to 28 °C (64 °F to 82 °F) with relative humidity to 90 %. AC measurements are ac-coupled, RMS responding.

Accuracy^[2]: Add 3 % without an external ground connection. External ground connection required for user wearing insulated gloves, standing on an insulated ladder, or otherwise insulated from earth ground.

Accuracy^[3]: FieldSense is specified from 16 V to 100 % of range.

General Specifications

Calibration	1-year calibration cycle
Dimensions	61.1 x 259.3 x 43.8 mm
Jaw opening	17.8 mm
Weight	0.35 kg (0.78 lb)
Temperature	Operating -10 °C to 50 °C (14 °F to 122 °F)
	Storage -30 °C to 60 °C (-22 °F to 140 °F)
Altitude	Operating 2,000 m (6,562 feet)
	Storage 10,000 m (32,808 feet)
Relative Humidity	0% to 90%, 5 °C to 30 °C (41 °F to 86 °F)
	0% to 75%, 30°C to 40 °C (86 °F to 104 °F)
	0% to 45%, 40°C to 50 °C (104 °F to 122 °F)
Battery Type and Life	2 x AA (IEC LR6); 360 hours continuous, typical; 200 hours using FieldSense
Temperature coefficient	0.1 x (specified accuracy) / °C for <18°C or >28 °C
	0.1 x (specified accuracy) / °C for <18°C or >28 °C
Safety	IEC/EN 61010-1: Pollution Degree 2
Electromagnetic Environment	IEC/EN 61326-1: Portable

Includes:

- Attached test leads with removable 4 mm probe caps
- User documentation