

Fluke T6 Electrical Testers with FieldSense technology

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Measure voltage ... without test leads

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 (T6-1000) – shows all power supply measurements at a glance for efficient trouble shooting for motors and other appliances
- 1 to 1000 V ac or dc (T6-1000); 600 V ac or dc (T6-600)
- 0.1 to 200 A ac
- Resistance 1 Ω to 100 kΩ (T6-1000), 1 Ω to 2000 Ω (T6-600)
- Frequency measurement 45 Hz to 66 Hz (T6-1000)
- Works with most wire up to AWG 4/0 (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

⁺ Voltage measurement requires capacitive path to ground, provided through user in most applications. Ground connection via test lead may be required in some situations.

Specifications

Measurement Specifications

Function	Requires test leads	T6-1000	T6-600	Resolution	Accuracy ¹
		Range	Range		
FieldSense ac voltage	No	1000 V	600 V	1 V	±(3 % + 3 counts) 45 Hz - 66 Hz ^{[2] [3]}
FieldSense ac current	No	200.0 A	200.0 A	0.1 A	±(3 % + 3 counts) 45 Hz - 66 Hz
FieldSense frequency (Hz)	No	45 Hz – 66 Hz		1 Hz	±(1 % + 2 counts) ^[3]
Volts ac	Yes	1000 V	600 V	1 V	±(1.5 % + 2 counts) 45 Hz - 66 Hz

		T6-1000	T6-600		
Function	Requires test leads	Range	Range	Resolution	Accuracy¹
Volts dc	Yes	1000 V	600 V	1 V	±(1 % + 2 counts)
Resistance	Yes	2000 Ω	2000 Ω	1 Ω	±(1 % + 2 counts)
	Yes	20.00 kΩ		0.01 kΩ	
	Yes	100.0 kΩ		0.1 kΩ	
Accuracy ¹ :	± ([% 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 conversions 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 mm x 259 mm x 43 mm
Weight	0.35 kg (0.78 lb)
Fork opening	17.8 mm
Battery Type Life	2x AA (IEC LR6) 360 hour continuous, typical is 200 hour using the FieldSense function

Ordering information

Fluke T6-600 Electrical Tester

Fluke T6-1000 Electrical Tester

Includes: Attached test leads with removable 4 mm probe caps, user documentation

Optional accessories

Accessories

H-T6 Belt Holster

TPAK Hanger

PRV240FS Proving Unit

TP1 Probe Set, Flat-Blade

AC285 SureGrip Alligator Clips

AC220 SureGrip Alligator Clips

Service Information Sheet, PN 686953



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