

TECHNICAL DATA

Fluke T6-1000 PRO Electrical Tester



Key features

- Save time by seeing voltage and current measurements at the same time
- Visual Continuity™ – the screen automatically turns green for continuity, perfect when it's too loud to hear the beeper
- FieldSense™ technology for ac voltage, current and frequency, all without making electrical contact to live voltage

Product overview: Fluke T6-1000 PRO Electrical Tester

Voltage and current on one screen

The T6-1000 PRO Electrical Tester measures voltage up to 1000 V ac and current up to 200 A ac, all through the open fork and without test lead contact to live voltage. Connect the black lead to ground with the included heavy-duty alligator clip, slide the wire into the open fork and see both voltage and current at the same time. On wires up to AWG 4/0 (120 mm²), carrying as much as 200 A and 1000 V ac. Even with gloves on. It will change how you do your job.

Key functions

- Simultaneous voltage and current display—save time by seeing voltage and current measurements at the same time when trouble shooting motors, pumps or other equipment
- Visual Continuity™—When checking continuity, the screen automatically turns green while the beeper is on. Perfect for those times when it's too loud to hear the beeper, when you're wearing ear protection or when it's too dark to easily read the screen. Visual Continuity takes the guesswork out of checking continuity.
- True-rms – Accurate voltage and current measurements, even when measuring complex signals.
- FieldSense™ technology for ac voltage, current and frequency measurement without making electrical contact to live voltage

Other capabilities

- 1 to 1000 V ac or dc
- 0.1 to 200 A ac
- Resistance 1 Ω to 100 k Ω
- Frequency measurement 45 Hz to 66 Hz through open fork
- Works with most wire up to AWG 4/0 (17.8 mm/0.7" jaw opening)
- HOLD button temporarily freezes the screen 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 *

* Register product online within 45 days of purchase to extend warranty to four years. See <https://forms.fluke.com/registration-country-select> for details.

Specifications: Fluke T6-1000 PRO Electrical Tester

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

Resistance	Requires test leads (all ranges)	Yes
	Range	2000 Ω
	Resolution	1 Ω
	Range	20.00 k Ω
	Resolution	0.01 k Ω
	Range	100.0 k Ω
	Resolution	0.1 k Ω
	Accuracy (all ranges)	$\pm(1\% + 2 \text{ counts})$

Accuracy^[1]: $\pm ([\% \text{ of reading}] + [\text{number of least significant digits}])$. 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]: FieldSense specified from 16V to 1000V.

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 (0.7")
Temperature Operating: Storage:	-10 °C to +50 °C (14 °F to 122 °F) -30 °C to +60 °C (-22 °F to +140 °F)
Altitude Operating: Storage:	2,000 m (6,562 feet) 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: Life:	2x AA (IEC LR6) 360 hour continuous, typical is 200 hour using the FieldSense function
Temperature coefficient	0.1 x (specified accuracy) / °C for <18 °C or >28 °C (< 64.4 °F or > 82.4 °F)
Safety General: Measurement T6-1000 PRO:	IEC 61010-1: Pollution Degree 2 IEC 61010-2-032: CAT IV 600 V / CAT III 1000 V
Electromagnetic Compatibility	IEC/EN 61326-1: Portable

Ordering information



Fluke T6-1000 PRO

Fluke T6-1000 PRO Electrical Tester

Includes:

- Attached test leads with removable 4 mm probe caps
- Black AC285 SureGrip™ alligator clip
- H-T6 holster
- User documentation

Optional accessories

Fluke TPAK ToolPak™ Magnetic Meter Hanger

Fluke PRV240FS Proving Unit: Test Voltage Indicators

Fluke TP1 Slim Reach Test Probes

Fluke AC285 SureGrip™ Alligator Clips

Description

Powerful magnetic strap for safe, hands free measurements.

Prove operation of FieldSense on T6 electrical testers

One pair (red, black) of slender probe bodies for probing closely spaced or recessed terminals.

SureGrip™ accessories are designed to improve steadiness in slippery hands.

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

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