

TECHNICAL DATA

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.

Product Highlights

- 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.
- FieldSense™ technology for ac voltage, current and frequency measurement without making electrical contact to live voltage
- 1 to 1000 V ac or dc
- 0.1 to 200 A ac
- Resistance 1 Ω to 100 kΩ
- 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 <http://a.fluke.com/registration> for details.



Specifications

Measurement Specifications

Function	Requires test leads	Range	Resolution	Accuracy ^[1]
FieldSense ac voltage	Black lead	1000 V	1 V	$\pm(3\% + 3 \text{ counts})$ ^[2] 45 Hz – 66 Hz
AC current	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	$\pm(1\% + 2 \text{ counts})$ ^[2]
Volts ac	Yes	1000 V	1 V	$\pm(1.5\% + 2 \text{ counts})$ 45 Hz – 66 Hz
Volts dc	Yes	1000 V	1 V	$\pm(1\% + 2 \text{ counts})$
Resistance	Yes	2000 Ω	1 Ω	$\pm(1\% + 2 \text{ counts})$
	Yes	20.00 k Ω	0.01 k Ω	$\pm(1\% + 2 \text{ counts})$
	Yes	100.0 k Ω	0.1 k Ω	$\pm(1\% + 2 \text{ counts})$

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 conversions are ac-coupled, RMS responding.

Accuracy^[2]: FieldSense specified from 16V to 1000V.

General Specifications

Calibration	1-year calibration cycle
Dimensions	61.1 mm x 259.3 mm x 43.8 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 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 (< 64.4 °F or > 82.4 °F)
Safety	IEC/EN 61010-1, IEC/EN 61010-2-033: Pollution Degree 2
Electromagnetic Environment	IEC/EN 61326-1: Portable



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Ordering information

Fluke T6-1000 PRO Electrical Tester

Included with product

Attached test leads with removable 4 mm probe caps, black AC285 SureGrip™ alligator clip, H-T6 holster, user documentation

Optional accessories

TPAK Hanger

PRV240FS Proving Unit

TP1 Probe Set, Flat-Blade

AC285 SureGrip Alligator Clips

AC220 SureGrip Alligator Clips

C60 Soft Carrying Case



* Two-year additional warranty offer may be discontinued without notice