

## Specifications: Fluke T6-1000 Electrical Tester

### Measurement Specifications

Function	Requires test leads	Range	Resolution	Accuracy <sup>[1]</sup>
FieldSense ac voltage true-rms	No	1000 V	1 V	± (3 % + 3 counts) 4
FieldSense ac current true-rms	No	200.0 A	0.1 A	± (3% + 3 counts) 45
FieldSense frequency (Hz)	No	45 Hz – 66 Hz	1 Hz	± (1% + 2 counts) <sup>[3]</sup>
Volts ac true-rms	Yes	1000 V	1 V	± (1.5% + 2 counts) 4
Volts dc	Yes	1000 V	1 V	± (1% + 2 counts)
Resistance	Yes	2000 Ω	1 Ω	± (1% + 2 counts)
	Yes	20.00 kΩ	0.01 kΩ	
	Yes	100.0 kΩ	0.1 kΩ	
Safety		1000 V CAT III 600 V CAT IV		

Accuracy<sup>[1]</sup>: ± ( [ % of reading] + [number of least significant digits] ). Accuracy is specified for 1 year after calibration, at 18 °C to 28 °C relative humidity to 90 % . AC measurements are ac-coupled, RMS responding.

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

Accuracy<sup>[3]</sup>: 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	<b>Operating</b>	-10 °C to +50 °C (14 °F to 122 °F)
	<b>Storage</b>	-30 °C to +60 °C (-22 °F to +140 °F)
Altitude	<b>Operating</b>	2,000 m (6,562 feet)
	<b>Storage</b>	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 Field	
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	