

TECHNICAL DATA

Fluke T6-600/62MAX+/1AC Thermometer, Electrical Tester and Voltage Detector Kit



Key features

- FieldSense technology for ac voltage, current and frequency measurement without making electrical contact to live voltage
- Identify areas to be measured and the voltage tester tests for energized circuits

Product overview: Fluke T6-600/62MAX+/1AC Thermometer, Electrical Tester and Voltage Detector Kit

Take AC voltage, current, and frequency measurements without making contact with the live voltage with T6-600 tester. The 62 Max + infrared thermometer helps you identify areas to be measured and the 1AC-II voltage tester tests for energized circuits. Additionally, this kit is ideal for electricians and HVAC/R technicians.

Specifications: Fluke T6-600/62MAX+/1AC Thermometer, Electrical Tester and Voltage Detector Kit

Function	Requires test leads	Range	Resolution	Accuracy ^[1]
FieldSense ac voltage true-rms	No	600 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		1 Hz	$\pm(1\% + 2 \text{ counts})$ ^[3]
Volts ac true-rms	Yes	600 V	1 V	$\pm(1.5\% + 2 \text{ counts})$ 45 Hz - 66 Hz
Volts dc	Yes	600 V	1 V	$\pm(1\% + 2 \text{ counts})$
Resistance	Yes	2000 Ω	1 Ω	$\pm(1\% + 2 \text{ counts})$
Safety		600 V CAT III		

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 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.

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	
	(< 64.4 °F or > 82.4 °F)	
Safety	IEC/EN 61010-1: Pollution Degree 2	
Electromagnetic Environment	IEC/EN 61326-1: Portable	

Ordering information



T6-600/62MAX+/1AC

Fluke T6-600/62MAX+/1AC Thermometer, Electrical Tester and Voltage Detector Kit

Includes:

- T6-600/APAC
 - Fluke-62 Max +
 - 1AC-A1-II
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