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 troubleshooting
- 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 2 kΩ (T6-600)
- Frequency measurement 45 Hz to 66 Hz (T6-1000)
- Works with wires up to AWG 4/0 (120 mm²) with a 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; extendable to four years through product registration within 45 days of purchase*

* Requires capacitive path to ground, provided through user in most applications. Ground connection via test lead may be required in some situations.
* 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

<table>
<thead>
<tr>
<th>Function</th>
<th>T6-600</th>
<th>T6-1000</th>
<th>Resolution</th>
<th>Accuracy&lt;sup&gt;(1)&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>FieldSense ac voltage</td>
<td>Requires test leads No</td>
<td>600 V</td>
<td>1000 V</td>
<td>1 V</td>
</tr>
<tr>
<td>FieldSense ac current</td>
<td>Requires test leads No</td>
<td>200.0 A</td>
<td>200.0 A</td>
<td>0.1 A</td>
</tr>
<tr>
<td>FieldSense frequency (Hz)</td>
<td>Requires test leads No</td>
<td>45 Hz - 66 Hz</td>
<td>1 Hz</td>
<td>±(1 % + 2 counts) [1]</td>
</tr>
<tr>
<td>Volts ac</td>
<td>Requires test leads Yes</td>
<td>600 V</td>
<td>1000 V</td>
<td>1 V</td>
</tr>
<tr>
<td>Volts dc</td>
<td>Requires test leads Yes</td>
<td>2000.0</td>
<td>2000.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Resistance</td>
<td>Requires test leads Yes</td>
<td>20.00 kΩ</td>
<td>0.01 kΩ</td>
<td>±(1 % + 2 counts)</td>
</tr>
<tr>
<td>Safety (measurement category)</td>
<td>Requires test leads Yes</td>
<td>100.0 kΩ</td>
<td>0.1 kΩ</td>
<td>±(1 % + 2 counts)</td>
</tr>
<tr>
<td><strong>Function</strong></td>
<td><strong>T6-600</strong></td>
<td><strong>T6-1000</strong></td>
<td><strong>Resolution</strong></td>
<td><strong>Accuracy</strong>(1)</td>
</tr>
<tr>
<td>No</td>
<td>600 V CAT III</td>
<td>1000 V CAT III</td>
<td>600 V CAT IV</td>
<td></td>
</tr>
</tbody>
</table>

Accuracy<sup><sup>(1)</sup></sup>: ± ([ % 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 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 an insulated ladder and otherwise insulated from earth ground.

Accuracy<sup>(3)</sup>: FieldSense specified from 16V to 100% of range.

### 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
- **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**: ISO/EN 61010-1, ISO/EN 61010-2-033; Pollution Degree 2
- **Electromagnetic Environment**: ISO/EN 61326-1: Portable

### Ordering information

**Fluke T6-600 Electrical Tester**  
**Fluke T6-1000 Electrical Tester**

**Included with product**
- Attached test leads with removable 4 mm probe caps, user documentation

**Optional accessories**
- H-T6 Belt Holster
- TPAK Magnetic Hanger
- PRV240FS Proving Unit
- TP1 Probe Set, Flat-Blade (US/UK flat tip)
- TP38 Probe set, round (EU)
- AC285 SureGrip Alligator Clips
- AC220 SureGrip Alligator Clips
- Service Information Sheet, PN 686953

*Two-year additional warranty offer may be discontinued without notice*
Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Fluke:
T6-1000  T6-600  T6-1000PRO/AMER  T6-KIT  T6-TPAK-HT6-AC