Overview

1. Wire Position
   - 1-Wire Only

2. Finger Guard
   - For safe operation, hold the Tester behind the finger guard.

3. Display
   - Model T6-1000
   - Model T6-600

4. Hazardous Voltage ≥30 V

5. Function Selection/On/Off
   - Model T6-1000
   - Model T6-600

6. FieldSense Ground Contact
   - Auto Off
   - 15 min

7. Test Probes/Storage Dock

Specifications

Function | Requires Test Leads | Range | Range | Resolution | Accuracy [1]
---------|---------------------|-------|-------|------------|----------
FieldSense Voltage ac | No | 1000 V | 600 V | 1 V | ±(3 % + 3 counts) 45 Hz to 66 Hz
FieldSense Current ac | No | 200.0 A | 200.0 A | 0.1 A | ±(3 % + 3 counts) 45 Hz to 66 Hz
FieldSense Frequency (Hz) | No | 45 Hz to 66 Hz | 1 Hz | ±(1 % + 2 counts) [2]
Voltage ac | Yes | 1000 V | 600 V | 1 V | ±(1.5 % + 2 counts) 45 Hz to 66 Hz
Voltage dc | Yes | 1000 V | 600 V | 1 V | ±(1 % + 2 counts)
Resistance | Yes | 2000 Ω | 2000 Ω | 1 Ω | ±(1 % + 2 counts)

[1] Accuracy: ±( % 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 measurements are ac-coupled, RMS responding.

[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.

Symbols

- WARNING. RISK OF DANGER.
  - Test with fork and FieldSense ground contact.

- Consult user documentation.
  - Test with fork and ground probe.

- Hazardous voltage ≥30 V.
  - Test with probes.

- Battery full charge.
  - FieldSense Measurement: Fluke voltage/current sensing technique.

- Battery low. Replace.
  - Good earth ground connection.

- Back light
  - No earth ground connection.

Accessories

- HT6 Belt Holster
- TPAK Hanger
- PRV240FS
- AC285 SureGrip™ Alligator Clips
- AC220 SureGrip™ Alligator Clips

Replacement Parts

- Test Lead Assembly (T5-RLS) Replace only with Fluke double-insulated leads
- TP1 Probe Set. Flat Blade
- Battery Door
- Battery Door Screw
- Battery low. Replace. Good earth ground connection.
- Auto Off 15 min

Contact Fluke

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How to Make Measurements

1. **Model T6-1000**
   - Use the Ground Probe
   - Insert Test Probes into the storage dock
   - Hold hand firmly on FieldSense Ground Contact
   - Display turns green for valid measurement. See Tips.

2. **Model T6-600**
   - Use the Ground Probe
   - Insert Test Probes into the storage dock
   - Hold hand firmly on FieldSense Ground Contact
   - Display turns green for valid measurement. See Tips.

Tips: FieldSense Technology

- Display color turns green.
- Display shows a valid measurement >16 V rather than dashes or 0.0.
- Y shows for measurement ≥30 V.

Low Battery Indicator

- Use the black probe to make the ground connection if:
  - Wearing gloves or insulated footwear
  - Standing on an insulated ladder
  - Additional ground contact is required for the application
  - Do not hold or touch wire during a measurement.

If you see: Solution:

- Show on the display
- Display color is gray
- VAC measurement does not show on display

- Make sure that your bare hand is firmly touching the FieldSense Ground Contact on the battery door.
- Check that the black probe is properly stored in the dock.
- Check the wire position in the fork opening. See the section about wire position.

FieldSense measurement looks like this when properly grounded:

- Display color turns green.
- Display shows a valid measurement >16 V rather than dashes or 0.0.
- Y shows for measurement ≥30 V.

- Make sure that your bare hand is firmly touching the FieldSense Ground Contact on the battery door.
- Check that the black probe is properly stored in the dock.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is <16 V.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is >16 V.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is <16 V.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is >16 V.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is <16 V.
- Check the wire position in the fork opening. See the section about wire position.

- Measurement is >16 V.
- Check the wire position in the fork opening. See the section about wire position.