T6-600/T6-1000/ T6-1000 PRO

Electrical Tester

with FieldSense Technology

Safety Information

2-Year Limited Warranty.

Go to www.fluke.com to register your Product and find more information.

A **Warning** identifies conditions and procedures that are dangerous to the user.

⚠⚠ Warning

To prevent possible electrical shock, fire, or personal injury:

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Comply with local and national safety codes. Use personal protective equipment (approved rubber gloves, face protection, and flame-resistant clothes) to prevent shock and arc blast injury where hazardous live conductors are exposed.**
- **Examine the case before you use the Product. Look for cracks or missing plastic. Carefully look at the insulation around the terminals.**
- **T6-600/T6-1000: Examine the battery door decal for damage to this insulator. Look for any cracks, holes, or evidence of delamination. This insulator houses a laminated foil that provides a capacitive current path for the FieldSense function. This insulator provides a means**

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Fluke Corporation
P.O. Box 9090
Everett, WA 98206-9090
U.S.A.

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands

ООО «Флюк СИАЙЭС»
125167, г. Москва,
Ленинградский проспект дом 37,
корпус 9, подъезд 4, 1 этаж

of protection against electric shock when the COM probe test lead (black) is installed into the back case.

- **The battery door must be closed and locked before you operate the Product.**
- **Do not use the Product if it is damaged.**
- **Disable the Product if it is damaged.**
- **Do not use the Product if it operates incorrectly.**
- **Do not use test leads if they are damaged. Examine the test leads for damaged insulation or exposed metal. Check test lead continuity.**
- **Limit operation to the specified measurement category, voltage, or amperage ratings.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Use the correct terminals, function, and range for measurements.**
- **Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.**
- **Do not exceed the Measurement Category (CAT) rating of the lowest rated individual component of a Product, probe, or accessory.**
- **Keep fingers behind the finger guards on the probes.**
- **Hold the Product behind the tactile barrier. See the Quick Reference Guide for this Product.**
- **T6-600/T6-1000: To use the FieldSense Ground Contact, make sure the – test probe (BLACK) is stowed in the storage location in the back case before a FieldSense measurement. See the *Quick Reference Guide* for this Product.**
- **Disconnect power and discharge all high-voltage capacitors before you measure resistance or continuity.**
- **Replace the batteries when the low battery indicator shows to prevent incorrect measurements.**
- **Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.**
- **Have an approved technician repair the Product.**
- **Use only specified replacement parts.**

For safe operation and maintenance of the Product:

- **Remove batteries to prevent battery leakage and damage to the Product if it is not used for an extended period.**
- **Repair the Product before use if the battery leaks.**
- **Be sure that the battery polarity is correct to prevent battery leakage.**
- **Clean the case with a damp cloth and detergent. Do not use abrasives or solvents.**

Safety Specifications

Battery ..... 2 x AA (IEC LR6)

Temperature

Operating..... -10 °C to +50 °C (+14 °F to +122 °F)

Storage..... -30 °C to +60 °C (-22 °F to +140 °F)

Operating Relative Humidity

0 % to 95 % ..... 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)

Altitude

Operating..... 2000 m

Storage..... 10 000 m

Safety

General..... IEC 61010-1: Pollution Degree 2

Measurement ..... IEC 61010-2-032, IEC 61010-2-033

T6-600..... CAT III 600 V

T6-1000/T6-1000 Pro... CAT IV 600 V / CAT III 1000 V

Electromagnetic Compatibility (EMC)

International..... IEC 61326-1: Portable Electromagnetic Environment

CISPR 11: Group 1, Class A

Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.

Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.

Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Korea (KCC)..... Class A Equipment (Industrial Broadcasting & Communication Equipment)

Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.

USA (FCC) ..... 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Consult user documentation.
	FieldSense Measurement: Fluke voltage/current sensing technique.
	Double Insulated
	Application around and removal from uninsulated hazardous live conductors is permitted.
	Earth
	Both direct and alternating current
	Battery
CAT II	Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
CAT III	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
CAT IV	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.
	Conforms to European Union directives.
	Certified by CSA Group to North American safety standards.
	Conforms to relevant South Korean EMC standards.
	Conforms to relevant Australian EMC standards.
	This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 "Monitoring and Control Instrumentation" product. Do not dispose of this product as unsorted municipal waste.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for two years from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

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Everett, WA 98206-9090
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Fluke Europe B.V.
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125167, г. Москва,
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корпус 9, подъезд 4, 1 этаж

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