

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

## Electrical Tester with FieldSense Technology

### *Safety Information*



2-Year Limited Warranty.

Go to [www.fluke.com](http://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**

PN 4897580 September 2017 Rev. 2, 3/20

©2017-2020 Fluke Corporation. All rights reserved.

Specifications are subject to change without notification.

All product names are trademarks of their respective companies.

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 СИЙЭС»  
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
<b>CAT II</b>	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.
<b>CAT III</b>	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
<b>CAT IV</b>	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.

THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Fluke Corporation	Fluke Europe B.V.	ООО «Флюк СИАЙЭС»
P.O. Box 9090	P.O. Box 1186	125167, г. Москва,
Everett, WA 98206-9090	5602 BD Eindhoven	Ленинградский проспект
U.S.A.	The Netherlands	дом 37,
		корпус 9, подъезд 4, 1 этаж

11/99

## SOFTWARE NOTICE

Copyright © 2014, Texas Instruments Incorporated. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of Texas Instruments Incorporated nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

Copyright © 2009-2015 ARM Limited. All rights reserved. Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of ARM nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDERS AND CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.