

1551A Ex/1552A Ex Stik Thermometer

Safety Information



1-Year Limited Warranty.
See the Users Manual for the full warranty.

Go to www.fluke.com for more information.

To view, print, or download the latest manual supplement, visit
<http://us.fluke.com/user/support/manuals>.

A **Warning** identifies hazardous conditions and procedures that are dangerous to the user. A **Caution** identifies conditions and procedures that can cause damage to the Product (the Probe) or the equipment under test.

⚠ Warning

To prevent fire, explosion, or personal injury:

- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**
- **Do not use the Product to measure the temperature of hazardous live components.**
- **Do not open the Product case. If you open the case, the Ex approval is not applicable.**
- **Change the batteries only in areas that are not Ex-hazardous.**
- **Use only specified approved batteries in the Product. Refer to the battery replacement instructions for a list of approved batteries.**
- **Do not use and disable the Product if it is damaged.**
- **Replace the batteries when the low battery indicator shows to prevent incorrect measurements.**
- **Check for proper operation of the Product before taking it into a hazardous area. Should the Product not operate as expected do not take the Product into a hazardous area and return it to the manufacturer for inspection.**

PN 5116765 October 2019

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Specifications are subject to change without notice.

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Ленинградский проспект дом 37,
корпус 9, подъезд 4, 1 этаж

- The Product is intended for installation only in locations providing adequate protection against the entry of solid foreign objects or water capable of impairing safety.

⚠ Caution

To prevent possible damage to the Product or to equipment under test:

- If the display message changes to “OL,” the range limit is exceeded and the Product must immediately be removed from the heat source to prevent damage.
- Do not immerse the Probe beyond its maximum immersion depth. This may damage its internal electronics. See *Immersion Depth and Usage* in the Users Manual.
- DO NOT drop or strike the Probe in any way. Mechanical shock damages the Probe internally and affects its calibration.

Ex Safety Information

This document contains data and safety regulations that must be followed for safe, reliable use of the Product in hazardous areas under the detailed conditions. If you do not follow these instructions, personal injury or Product damage can occur. Violation of applicable legislation can also occur. Read all documentation before you use the Product. To make sure of safe Product operation, fully follow all instructions and warnings in the manual. If you are not sure (due to translation and/or printing errors), refer to the English Users manual.

An “Ex-hazardous area,” as used in this manual, refers to an area made hazardous by the possible presence of flammable or explosive vapors. These areas are also referred to as “hazardous locations.”



Ex ib IIB T4 Gb (−10 °C ≤ Ta ≤ +50 °C)
ITS19ATEX204844X
IECEX ETL 19.0023X



II 2 G


0344

Manufactured by Fluke Corporation,
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Everett, WA 98203

Symbols

The table below lists the symbols that can be used on the Product or in this document.

Symbol	Description
	WARNING. RISK OF DANGER. Consult user documentation.
	Consult user documentation.
	Conforms to ATEX requirements.
	Battery
	Conforms to European Union directives.

Symbol	Description
	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.

Approved Batteries

Battery	Manufacturer	Type
Alkaline AAA (IEC LR03)	Duracell	MN2400
	Energizer	E92VP
	Panasonic	LR03WXA

Specifications

Complete specifications are in the Users Manual.

Measurement Range

1551A Ex -50 °C to 160 °C (-58 °F to 320 °F)

1552A Ex -80 °C to 300 °C (-112 °F to 572 °F)

Operating Temperature

Range of Readout -10 °C to 50 °C (14 °F to 122 °F)

Humidity Range 0 to 95 % RH Non-condensing

Storage Temperature Range -20 °C to 60 °C (-4 °F to 140 °F)

Safety IEC 60079-0, IEC 60079-11:
Ex ib IIB T4 Gb; IEC 61010-1:
Pollution Degree 2

Electromagnetic Compatibility

International IEC 61326-1: Portable Equipment;

IEC 61326-2-2; CISPR 11: Group 1,
Class B

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 B: Equipment is suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

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