

# TiS10, TiS20 TiS40, TiS45 TiS50, TiS55 TiS60, TiS65

## Performance Series Thermal Imagers

### *Safety Information*

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 eye damage and personal injury:

- Do not look into the laser. Do not point the laser directly at persons or animals or indirectly off reflective surfaces.
- Do not open the Product. The laser beam is dangerous to eyes. Have the Product repaired only through an approved technical site.

Additional laser warning information is on the inside of the Product lens cover.



hwj010.eps

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Specifications are subject to change without notification.













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## **⚠ Warning**

To prevent personal injury:

- **Read all safety information before you use the Product.**
- **Carefully read all instructions.**
- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**
- **Replace the batteries when the low battery indicator shows to prevent incorrect measurements.**
- **Do not use the Product if it operates incorrectly.**
- **Do not use the Product if it is damaged.**
- **See emissivity information for actual temperatures. Reflective objects result in lower than actual temperature measurements. These objects pose a burn hazard.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Do not put battery cells and battery packs near heat or fire. Do not put in sunlight.**
- **Do not disassemble or crush battery cells and battery packs.**
- **Remove batteries to prevent battery leakage and damage to the Product if it is not used for an extended period.**
- **Connect the battery charger to the mains power outlet before the charger.**
- **Use only Fluke approved power adapters to charge the battery.**
- **Keep cells and battery packs clean and dry. Clean dirty connectors with a dry, clean cloth.**

## Symbols

Symbol	Description
	Risk of Danger. Important information. See manual.
	WARNING. LASER RADIATION. Risk of eye damage.
	Battery status. Battery charging when animated.
	Connected to ac power. Battery removed.
	On/Off Symbol
	Conforms to European Union directives.
	Conforms to relevant Australian EMC standards.
	Conforms to relevant South Korean EMC standards.
	Certified by CSA Group to North American safety standards.
	Japan Quality Association
	This Product contains a lithium-ion battery. Do not mix with the solid waste stream. Spent batteries should be disposed of by a qualified recycler or hazardous materials handler per local regulations. Contact your authorized Fluke Service Center for recycling information.
	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.

## Safety Specifications

**Operating temperature** .....-10 °C to +50 °C

**Storage temperature** .....-20 °C to +50 °C

**Battery charging temperature** .....0 °C to 40 °C

### Altitude

Operating .....2,000 m

Storage .....12,000 m

## Electromagnetic Compatibility (EMC)

International..... IEC 61326-1: Basic  
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.*

*Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.*

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.

### 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.

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