

# i40s-EL

## Current Clamp

### *Safety Information*

Go to [www.fluke.com](http://www.fluke.com) to register your product, download manuals, 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.**
- **Use the Product only as specified, or the protection supplied by the Product can be compromised.**
- **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.**
- **Do not use the Product around explosive gas, vapor, or in damp or wet environments.**
- **Do not touch voltages >30 V ac rms, 42 V ac peak, or 60 V dc.**
- **Use the Product only on insulated conductors. Use caution around bare conductors or bus bars. To prevent electrical shock, do not touch the conductor.**
- **Do not use the Product if it is damaged.**
- **Do not use the Product if it operates incorrectly.**

- Before each use, examine the Product. Look for cracks or missing pieces of the clamp housing or output cable insulation. Also look for loose or weakened components. Carefully examine the insulation around the jaws.
- Do not use a current measurement as an indication that a circuit is safe to touch. A voltage measurement is necessary to know if a circuit is hazardous.
- Have an approved technician repair the Product.
- Remove the Product from conductor before you clean the Product.
- Do not hold the Current Clamp anywhere beyond the tactile barrier.

## ***Specifications***

**Safety**..... IEC 61010-1: Overvoltage CAT IV, Measurement 600 V CAT III / 300 V CAT IV, Pollution Degree 2

### **Temperature**








Operating..... -10 °C to +55 °C (-14 °F to 131 °F)  
Storage..... -20 °C to +70 °C (-4 °F to 158 °F)

### **Altitude**

Operating..... 2,000 m (up to 4,000 m derate to 600 V CAT II/300 V CAT III)  
Storage..... 12,000 m

The table below is a list of symbols used on the product or in this document.

## Symbols

Symbol	Meaning
	Risk of Danger. Important information. See Manual.
	Hazardous voltage
	Double insulation
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.
	Conforms to relevant North American Safety Standards.
	Conforms to relevant Australian EMC requirements.
	This product complies with the WEEE Directive (2002/96/EC) 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. Go to Fluke's website for recycling information.

## LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for one year 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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