

1586A

SUPER-DAQ Precision Temperature Scanner

Safety Information



1-year limited warranty. See the Operators Manual for the full warranty.

Introduction

This document supplies safety information for the SUPER-DAQ Precision Temperature Scanner (the Product).

Contact Fluke Calibration

To see product information or download the Users Manual and the latest manual supplements, visit Fluke Calibration's website at www.fluke.com.

Fluke Corporation operates worldwide. For local contact information, go to our website: www.fluke.com

To register your product, view, print, or download the latest manual or manual supplement, go to our website.

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Safety 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.
- Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.
- Carefully read all instructions.
- Do not use the Product if it operates incorrectly.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.
- Use the correct terminals, function, and range for measurements.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Use only specified replacement parts.
- Use only specified replacement fuses.
- Have an approved technician repair the Product.
- Turn the Product off and remove the mains power cord. Stop for two minutes to let the power assemblies discharge before you open the fuse door.
- Connect an approved three-conductor mains power cord to a grounded power outlet.

PN 4107834 (English)

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- Use this Product indoors only.
- Do not put the Product where access to the mains power cord is blocked.
- Use only the mains power cord and connector approved for the voltage and plug configuration in your country and rated for the Product.
- Make sure the ground conductor in the mains power cord is connected to a protective earth ground. Disruption of the protective earth could put voltage on the chassis that could cause death.
- Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.
- Make sure that the Product is grounded before use.
- Do not use the Product if it is altered or damaged.
- Do not apply more than the rated voltage, between the terminals or between each terminal and earth ground.

Safety Specifications

Mains Voltage

100 V Setting	90 V to 110 V
120 V Setting	108 V to 132 V
220 V Setting	198 V to 242 V
240 V Setting	216 V to 264 V

Frequency 50 Hz to 60 Hz

Power Consumption 36 VA peak (24 W average)

Environment Temperature

Operating	0 °C to 50 °C
Full accuracy	18 °C to 28 °C
Storage	-20 °C to 70 °C
Warm-up	1 hour to full accuracy specifications

Relative Humidity (non-condensing)

Operating	0 °C to 30 °C <80 %
	30 °C to 50 °C <50 %
Storage	-20 °C to 70 °C <95 %

Altitude

Operating	2 000 m
Storage	12 000 m

Safety

Mains	IEC 61010-1, Overvoltage Category II, Pollution Degree 2
Additional	IEC 61010-2-030 (Test and Measurement)

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.

Table 1 shows the symbols used in the manuals and on the Product.

Table 1. Symbols

Symbol	Description
	WARNING. RISK OF DANGER.
	WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.
	Earth ground.
	Consult user documentation.
	DC (Direct Current)
	Conforms to European Union directives.
	This product complies with the WEEE Directive and its marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Do not dispose of this product as unsorted municipal waste. For information about take-back and recycling programs available in your country, see the Fluke website.