

Calibration Bath

Safety Information

Introduction

This document supplies safety information for the Calibration Bath (the Product).

Safety Information

A **Warning** identifies hazardous conditions and actions that could cause bodily harm or death.

A **Caution** identifies conditions and actions that could damage the Product, the equipment under test, or cause permanent loss of data.

Symbols

The symbols used in the manuals and on the Product are shown below.

Symbols

Symbol	Description
	Hazardous voltage. Risk of electric shock.
	Risk of Danger. Important information. See Manual.
	Consult user documentation.

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.**

PN 4924861

September 2017, Rev. 1, 3/21

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- Do not use the Product if it is altered or damaged.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Use this Product indoors only.
- Do not use an extension cord or adapter plug.
- Replace the mains power cord if the insulation is damaged or if the insulation shows signs of wear.
- 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.
- Do not put the Product where access to the mains power cord is blocked.
- Make sure that the space around the Product meets minimum requirements.
- Read the bath fluid safety data sheet (SDS) and take necessary precautions. Some fluids are corrosive, toxic, or irritate the skin, eyes, nose, and respiratory organs.
- Use a ventilation system to remove vapor.
- Do not use fluids that are corrosive to stainless steel.
- Always use the provided access cover or other suitable metallic access cover if the selected bath fluid is flammable. An exposed heater element, due to low-liquid level or other external ignition sources, could lead to spread of fire from the bath access port. The access cover limits air ingress into the bath headspace and prevents ignition and helps to quickly extinguish any fire. The access cover may be drilled to permit temperature probe insertion.
- Use only specified replacement parts.
- Have an approved technician repair the Product.
- Do not operate the Product with covers removed or the case open. Hazardous voltage exposure is possible.

Provide Ventilation

Harmful substances such as benzene and formaldehyde can be produced above a certain temperature when heating silicone bath fluids. Consult the safety data sheet of the specific bath fluid for the temperatures at which the fluid begins to degrade and the byproducts that may be emitted.

Bath fluid vapors present a fire hazard, especially when the bath fluid is operated above its flash point. Bath fluid vapors tend to condense onto surrounding surfaces. This can contaminate materials and inhibit laboratory cleanliness. If enough condensation accumulates on the floor, the floor becomes slippery and creates a safety hazard.

For proper fume extraction Fluke Calibration recommends to use at least a ventilation duct of 75 mm (3 in) or more in diameter with a flow rate of at least 1.4 cubic meters per minute (50 cfm). Place the inlet of the ventilation duct near the top of the tank.

Clean Up Spills

Fluid spilled on the floor is a safety hazard. To avoid accidents, follow these precautions and instructions.

⚠ Caution

- **Be careful when you fill and operate the Product to avoid drips and spills.**
- **Keep cleanup materials on hand.**
- **If a spill occurs, close the area to traffic until the spill is cleaned up.**
- **Use paper towels or other absorbent material to wipe up spilled fluid.**
- **Dispose of used cleanup materials properly.**

Fluids and solvents may require additional safety precautions. Refer to the material's safety data sheet (SDS). Bath fluid residue can be removed with a suitable mild solvent such as Steris SPOR-KLENZ or Dow Corning OS-2 for silicone.

