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Eppendorf ThermoTop®

Instructions for use

5308 900.012-01/082014

1 Operating instructions

1.1 Using this manual

These instructions for use are a supplement to the operating manual of the ThermoMixer C, ThermoMixer F0.5/F1.5/F2.0/FP and ThermoStat C devices. These instructions for use do not replace the operating manual.

Read the operating manual of the corresponding device before using the ThermoTop for the first time. The current version of the operating manual can be found in the Internet at www.eppendorf.com.

2 Product description

2.1 Features

The ***condens.****protect* technology available in the ThermoTop prevents the formation of condensation on the inner wall or the lid of the tube during the temperature control of samples.

The ThermoTop is compatible with the ThermoMixer C, ThermoStat C, and ThermoMixer F0.5/F1.5/F2.0/FP devices. In conjunction with the ThermoMixer C and ThermoStat C, the ThermoTop can be used with thermoblocks for plates and lab tubes up to a volume of 2 mL. The compatible thermoblocks feature a ***condens.****protect* symbol: .

3 Safety

3.1 Intended use

The ThermoTop is designed to prevent the formation of condensation on the inner wall or the lid of the tube during the temperature control of samples. The ThermoTop must only be operated by qualified personnel.

The ThermoTop is intended exclusively for indoor use. All country-specific safety requirements for operating electrical equipment in the laboratory must be observed.

3.2 Warning signs on the device

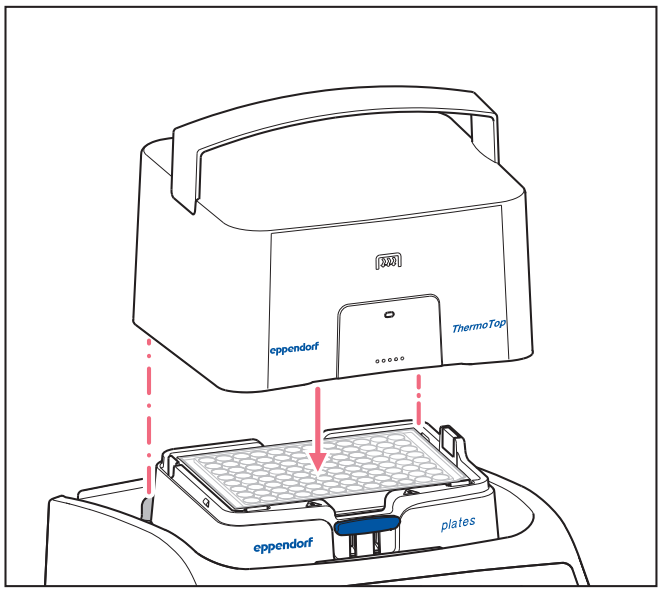
Depiction	Meaning	Location
	Risk of burns from hot surfaces.	Interior of the ThermoTop

4 Installation and operation

4.1 Installing the ThermoTop

Prerequisites

- A compatible thermoblock has been attached.
- Tubes or plates have been inserted.



- ▸ Place the ThermoTop on the device vertically from above. The centering pins behind the heating/cooling plate fit into the recesses of the ThermoTop.
- The ThermoTop is correctly positioned if the seal is fully flush with the upper part of the device.
- The blue LED of the ThermoTop lights.
- The symbol appears in the display.

Functioning principle of the ThermoTop

- In order to prevent the formation of any condensate in a reliable manner, the device first heats the ThermoTop until it reaches the set temperature. The tempering of the thermoblock occurs with a delay.
- The temperature sensor of the thermoblock reacts to the temperature of samples: after inserting samples into a pre-heated thermoblock, the displayed actual temperature may fall temporarily.
- While the device is tempering, the blue LED of the ThermoTop is flashing.

5 Maintenance

5.1 Cleaning

NOTICE! Damage from the use of aggressive chemicals.

- Do not use any aggressive chemicals on the device or its accessories, such as strong and weak bases, strong acids, acetone, formaldehyde, halogenated hydrocarbons or phenol.
- If the device has been contaminated by aggressive chemicals, immediately clean it by means of a mild cleaning agent.

NOTICE! Corrosion from aggressive cleaning agents and disinfectants.

- Do not use corrosive cleaning agents, aggressive solvents or abrasive polishes.

Auxiliary equipment

- Lint-free cloth
- Mild, soap-based lab cleaner
- Dist. water

1. Clean with a mild soap solution.
2. Wipe off the soap solution with dist. water.
3. Dry the ThermoTop.

5.2 Disinfection/decontamination

WARNING! Risk to health from contaminated accessories.

1. Follow the instructions in the decontamination certificate. You can find them as a PDF file on our webpage (www.eppendorf.com/decontamination).
2. Decontaminate all the parts you want to dispatch.
3. Include the fully completed decontamination certificate for returned goods in the package.

- Select a disinfection method complying with the statutory rules and regulations for your area of application. Use e.g. acohol (ethanol, isopropanol) or alcohol-containing disinfectants.

6 Transport, storage and disposal

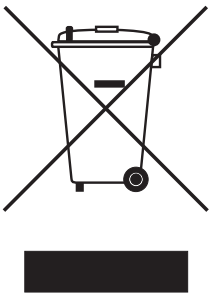
6.1 Disposal

In case the product is to be disposed of, the relevant legal regulations are to be observed.

Information on the disposal of electrical and electronic devices in the European Community:

Within the European Community, the disposal of electrical devices is regulated by national regulations based on EU Directive 2002/96/EC pertaining to waste electrical and electronic equipment (WEEE).

According to these regulations, any devices supplied after August 13, 2005, in the business-to-business sphere, to which this product is assigned, may no longer be disposed of in municipal or domestic waste. To document this, they have been marked with the following identification:



Because disposal regulations may differ from one country to another within the EU, please contact your supplier if necessary.

In Germany, this is mandatory from March 23, 2006. From this date, the manufacturer has to offer a suitable method of return for all devices supplied after August 13, 2005. For all devices supplied before August 13, 2005, the last user is responsible for the correct disposal.

7 Technical data

Power consumption	Maximum 120 W
Temperature control range	Corresponds to the temperature control range of the device or thermoblock with which the ThermoTop is used.

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Eppendorf AG · 22331 Hamburg · Germany
eppendorf@eppendorf.com · www.eppendorf.com