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# ThermoMixer C/F0.5/F1.5/F2.0/FP ThermoStat C

SOP - Installation Qualification - English

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## 1 Introduction

### 1.1 Using this manual

- ▶ Ensure that you have a copy of the latest versions of the service manual and operating instructions. Check this using the version numbers at [www.eppendorf-support.com](http://www.eppendorf-support.com) and [www.eppendorf.com](http://www.eppendorf.com).
- ▶ Read the service manual before starting work on the device.
- ▶ Read the chapters "Installation" and "Operation" of the operating manual.
- ▶ Observe the safety instructions in the operating manual.

### 1.2 Liability

The Eppendorf service partner entrusted with maintenance, servicing or testing is liable for ensuring that all work is carried out in a professional manner.

- ▶ The constructional features of the device must not be modified by servicing, maintenance or testing. The device must always be as safe as in its original state.
- ▶ Only accessories and original spare parts recommended by Eppendorf as well as measuring and test equipment recommended by Eppendorf may be used for any maintenance, servicing or testing work.

### 1.3 User profile

The specialist entrusted with maintenance, repair or testing must meet the following prerequisites:

- Successful participation in service trainings with certification by Eppendorf AG for the product that is to be maintained, repaired or tested.
- Qualification as a specialist with knowledge of the applicable local and international standards.
- Qualification to evaluate the work assigned to him.
- Recognition of potential hazards and how to prevent or correct them.

### 1.4 Note on this document

- ▶ Include other documents, such as explanations, printouts, recordings and results, with the IQ. List these documents under "Appendices".

### 1.5 Abbreviations

OM – Operating Manual  
IQ – Installation Qualification  
HWM - Hardware Manual  
SF – Service Function  
SM – Service Manual  
SWM - Software Manual

**Introduction**

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**1.6 Device data**

Company / Operator:

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Location where the device is used (building, floor, room, lab etc.):

---

Place where the operating manual is kept:

---

Operating Manual version (index number on the inside of the title page):

---

Place where the service manual is kept:

---

Service Manual version (index number on the inside of the title page):

---

Inventory number of the device:

---

Manufacturer: Eppendorf AG

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Type designation:

---

Serial number:

---

Software/Firmware version:

---

Voltage in volts:

---

Frequency in Hz:

---

Installation date (day/month/year):

---

**1.7 Responsible persons****Responsible technician**

Name, first name:

---

Company:

---

Certificate (issued on ... / valid until ...):

---

Signature:

---



Copies of the technician's certificates can be enclosed as appendices. List these documents at the end, under "Appendices".

**User / Responsible for quality**

Name, first name:

---

Company:

---

Signature:

---

## 2 IQ – ThermoMixer C/F0.5/F1.5/F2.0/FP, ThermoStat C

### 2.1 IQ Checklist

#### 2.1.1 Check delivery package and condition

No.	SM/OM section	Check	Yes	No
IQ1	-----	Is the transport packaging free of damage?		
IQ2	-----	Did you receive the correct model with the correct voltage version? (Check package label, bill of delivery and name plate on the bottom of the device.)		
IQ3	OM Chapter 2	Open the package. Are the contents of the package in compliance with the scope of delivery as described in the operating manual (OM)?		
IQ4	-----	Is the device damage-free?		
IQ5	-----	Are the accessories included with the packaging free of damage?		

#### 2.1.2 Setting up the device

No.	SM/OM section	Check	Yes	No
IQ6	OM Chapter 3 and 4	Did you choose a suitable place for installation (horizontal and stable workplate)?		
IQ7	OM Chapter 3 and 4	Is there sufficient space around the device (at least 10 cm (3.9 in) on each side)		
IQ8	OM Chapters 3, 4 and 9	<b>Ambient conditions:</b> Ambient temperature: 5 °C - 40 °C Relative humidity: max. 90 %		

#### 2.1.3 Put the device into operation

No.	SM/OM section	Check	Yes	No
IQ9	OM Chapter 4 and 5	Connect the device to mains/power line. Switch on the device. Model and software version are briefly displayed.		
IQ10	OM, Chapter 5	Install a SmartBlock (only ThermoMixer C and ThermoStat C): Is the automatic block recognition working?		
IQ11	OM, Chapter 5	Key test: Press all keys in succession. Does the device respond correctly?		
IQ12	OM, Chapter 5	Drive check (not ThermoStat C): Do the mixers start when pressing the <b>Start/Stop</b> key or the <b>Short</b> key?		

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No.	SM/OM section	Check	Yes	No
IQ13	OM, Chapter 5	Cooling (only ThermoMixer C and ThermoStat C): Set a temperature below ambient temperature. Is the device cooling down?		
IQ14	OM, Chapter 5	Heating: Set a temperature above ambient temperature. Is the device heating up?		

## 2.1.4 Instructing the user

No.	SM/OM section	Check	Yes	No
IQ15	Entire OM	The user was introduced to the functions and operation of the device.		

Remarks

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Appendices (e.g.: calibration certificates, Technician's certificates, .....):

1:

---

2:

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3:

---

4:

---

5:

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\_\_\_\_\_  
City, date\_\_\_\_\_  
Technician's signature

The user confirms that he/she was introduced to the device and its functions.

\_\_\_\_\_  
City, date\_\_\_\_\_  
User signature





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