

memmert

Software manual



myChamber LIMS

Software application for automated data provision

Table of Contents

1. About this Manual	3
2. Introduction	5
2.1 Description	5
2.2 Supported Devices	5
3. Requirements	6
3.1 PC or Server Connection	6
3.2 Serial Number	6
3.3 IP Address	6
3.4 Remote Control	6
4. Configuration	7
4.1 Storage.....	7
4.2 Config File	7
4.2.1 Settings	7
4.2.2 Devices.....	7
4.2.3 Directories	8
4.2.4 Logging	8
4.3 Licence File	9
5. Installation	10
5.1 Running the Software Locally.....	10
5.2 Running it as a Service	10
5.3 Terminating the Service.....	10
6. Data Output and Documentation	11

1. About this Manual

Purpose and target audience

This user manual describes the installation and use of the MEMMERT software application myChamber LIMS. It is aimed at trained personnel, who have the task of setting up software applications.

If you intend to work with the software, please read this manual carefully before starting. Familiarise yourself with the software application and simulate various tests before putting it into regular operation. Incorrect use may result in data loss.

If there is anything you do not understand, or if any information is missing, ask your line manager or contact the manufacturer. Do not take any course of action on your own initiative.

Further applicable documents

In addition to this manual, please observe the following documents:

- Operating manual for the relevant product:
Familiarise yourself with the operating manual of the product that is to be operated with myChamber LIMS.

Retaining and passing on this manual

This manual should always be kept in an easily accessible location. It is the responsibility of the operator to ensure that persons who work with the software know where this manual is kept.

We recommend that it is always kept in a protected location close to the computer on which the software is installed. Make sure that the manual is not damaged by heat or humidity.

Address and Customer Service

Manufacturer's address

Memmert GmbH + Co. KG
Äußere Rittersbacher Straße 38 D-91126 Schwabach Germany
Tel. +49 9122 925-0
E-mail: sales@memmert.com
www.memmert.com

International After Sales

Memmert GmbH + Co. KG
Willi-Memmert-Straße 90-96 D-91186 Büchenbach Germany
Tel. +49 9171 9792 911
E-mail: service@memmert.com
www.memmert.com
If you have any queries, please always quote the product number on the nameplate.

Shipping address for repairs

Memmert GmbH + Co. KG
Willi-Memmert-Straße 90-96 D-91186 Büchenbach Germany
Please contact our customer service before sending appliances for repair or before making returns, otherwise, we have to refuse acceptance of the shipment.

2. Introduction

2.1 Description

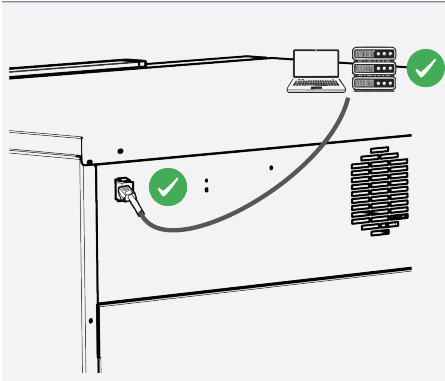
myChamber LIMS is a software application for automated data provision between MEMMERT products and LIMS systems or other data management systems.

2.2 Supported Devices

MEMMERT products from the 2012 appliance generation onwards, except for WTB.

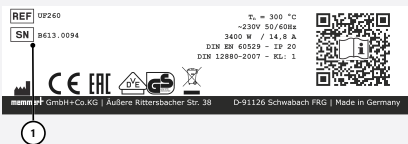
3. Requirements

3.1 PC or Server Connection



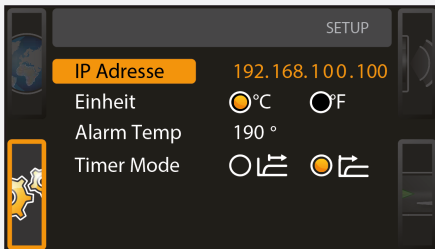
The product must be connected to the PC or server.

3.2 Serial Number



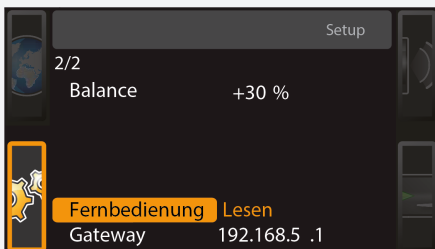
The serial number (1) of the product must be known.

3.3 IP Address



The IP address of the product must be known.

3.4 Remote Control



The remote control must be set to at least **Read** mode.

4. Configuration

4.1 Storage

1. Save the supplied folder on the PC or server.
2. Check the folder structure for completeness.

4.2 Config File

1. Open the config file in the folder structure.
 - ⇒ The parameters for automated data provision can now be configured.
2. Save the config file after configuring the parameters.
3. Close the config file.

4.2.1 Settings

```
# The interval in seconds to poll the API for new data.
polling_rate_in_seconds = 60
# check this config for new devices every x seconds
config_update_interval_in_seconds = 300
# Path to public key for license check
public_key_path = "C:\Users\customer\Desktop\myChamber
LIMS\Keys\public_key.pem"
```



- The public key file is located by default in the **Licences** folder in the supplied folder structure.
- The public key file can be moved to any location.

1. Set the transfer rate.
2. Set the configuration file check rate.
3. Set the file path for the public key file.

4.2.2 Devices

```
# A list of devices that should be monitored
# The name of the device HAS TO BE unique!
# The serial number has to match the serial number of the
device
# if you want to record continuously for a device, add 'c'
to the device config.
# To stop recording, remove the 'c' from the device config
and after the next
# config update, the device will stop recording.
machine1 = M123.0007, 192.168.100.100, c
#machine2 = M123.0008, 192.168.100.101, c
#machine3 = M123.0009, 192.168.100.103
#machine_not_continuous = M123.0010, 192.168.100.104
#machine_continuous = M123.0011, 192.168.100.105, c
```



- Any number of products can be set.
- The product name can be defined individually.
- The serial number set must match the serial number of the product whose data is to be transferred.

- The IP address set must match the IP address of the product whose data is to be transferred.
- If a **c** is placed after the IP address, the continuously recorded data will be saved daily at 23:59, regardless of the program.
- If no **c** is placed after the IP address, the recorded data will be saved after the program ends.

1. Define the product name whose data is to be transferred.
2. Set the serial number of the product whose data is to be transferred.
3. Set the IP address of the product whose data is to be transferred.

4.2.3 Directories

```
# The directory where the data should be stored
tmp_folder           = "C:\Users\customer\Desktop\myChamber
LIMS\tmp"
output_folder       = "C:\Users\customer\Desktop\myChamber
LIMS\LIMS"
license_file_folder = "C:
\Users\customer\Desktop\myChamber LIMS\Licenses"
```



- The licence file will be delivered separately.
- The specified folder path for the target file can be used as a hot folder for software solutions such as LIMS.

1. Set the folder path for temporary data.
2. Set the folder path for the target file.
3. Set the folder path for the licence file (see ▶4.3 Licence File).

4.2.4 Logging

```
# possible log levels: DEBUG, INFO, WARN, ERROR and
CRITICAL
# the selected level includes all levels following it, e.g.
INFO includes WARN, ERROR and CRITICAL
log_level           = "INFO"
log_folder          = "C:\Users\customer\Desktop\myChamber
LIMS\Logs"
log_file            = "lims.log"
```



Depending on the log level, different information will be documented. The following log levels can be set

- DEBUG: Development-related information on errors or program states.
- INFO: User-relevant information on program events.
- WARN: Information on errors in the program sequence.
- ERROR: Information on errors in the config file.
- CRITICAL: Information on serious errors such as data loss, program crashes, etc.

1. Set the log level.
2. Set the folder path for the log file.
3. Define the title for the log file.

4.3 Licence File



The licence file will be supplied separately from the folder structure.

1. Save the licence file in the set folder path (see ▶4.2.3 Directories).

5. Installation

5.1 Running the Software Locally

1. Double left-click **myChamber_LIMS.exe**.

5.2 Running it as a Service

1. Right-click **start_service.bat**.
2. Click **Run as administrator**.

Before you continue, change the settings in the config.ini to match your setup. Pay special attention to the correct folders for your output and logs
Did you adapt your config file? (y/n)

3. Enter **y**.
4. Confirm with **Enter**.

Continuing with the script
Do you want to start the myChamber LIMS service (y/n)?

5. Enter **y**.
6. Confirm with **Enter**.
⇒ myChamber LIMS will now run as a service.



Running as a service runs automatically in the background and must be actively terminated.

5.3 Terminating the Service

1. Right-click **remove_service.bat**.
2. Left-click **Run as administrator**.
⇒ myChamber LIMS will no longer run as a service.

6. Data Output and Documentation

- The recorded data is stored as a CSV file in the specified folder path.
- The log file is stored as a TXT file in the specified folder path.

Software application for automated
data provision

Software manual
D53472 Effective 12/2025
English

