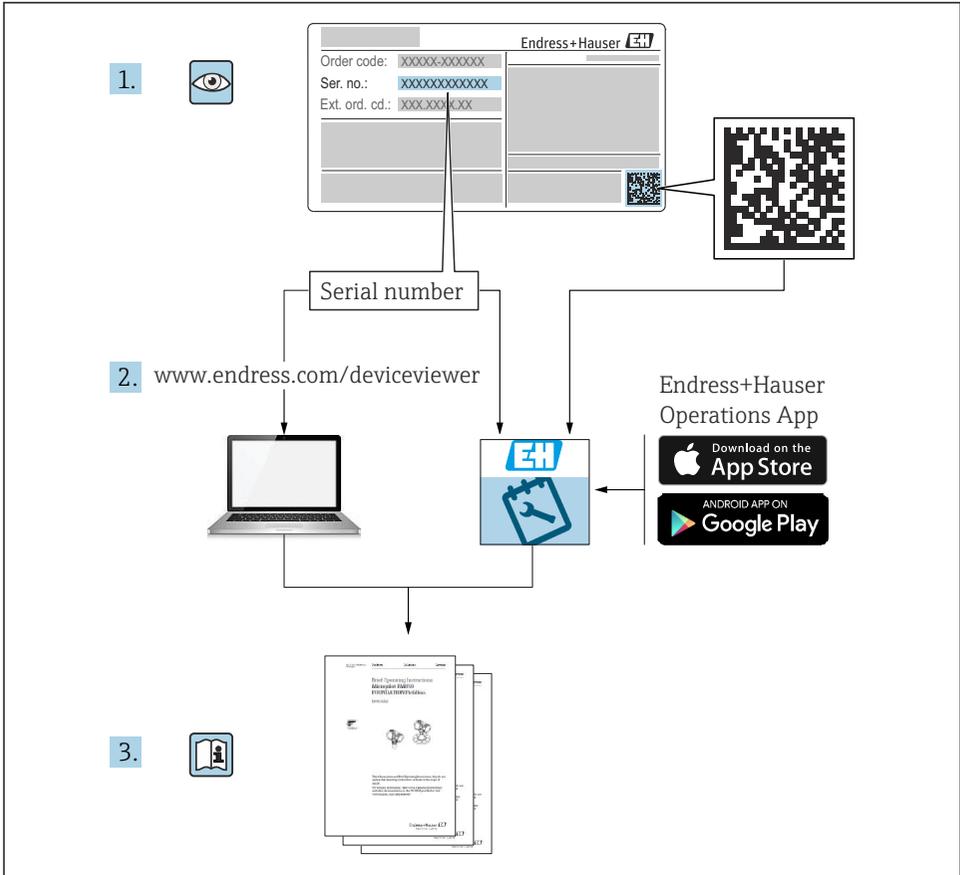


Brief Operating Instructions

Memobase Pro CZL81

Brief operating instructions





A0023555

Table of contents

1	Change history	3
2	About this document	4
2.1	Document function	4
2.2	Warnings	4
2.3	Symbols	4
3	Product description	5
3.1	Software function	5
4	Installation	7
4.1	System requirements	7
4.2	Software provisioning	7
4.3	Software installation	8
4.4	Activating the software	12
4.5	Updating the software	14
4.6	Updating a subscription with online activation	14
4.7	Returning a license with online activation	14

1 Change history

Date	Version	Software modifications	Documentation
03/2025	01.00.xx	<ul style="list-style-type: none"> ■ Can be installed on a Windows operating version higher than Win 10 LTSC 18/09 ■ License model: Single station license ■ Connect pH sensors with up to four sensors with Memobase Pro CZL81 via CML18 and MemoLink ■ Performing, managing and saving data for pH measurements ■ Performing, managing and documenting calibrations and adjustments for two- and three-point calibration ■ Access to and visualization of sensor details and measurement history ■ Manual management of reference solution data 	KA01753C/07/DE/01.25-00

2 About this document

2.1 Document function

These instructions contain all the information needed to install and update the software.

2.2 Warnings

Structure of information	Meaning
 <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation will result in a fatal or serious injury.</p>
 <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation can result in a fatal or serious injury.</p>
 <p>Causes (/consequences) If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Corrective action 	<p>This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or more serious injuries.</p>
 <p>Cause/situation If necessary, Consequences of non-compliance (if applicable)</p> <ul style="list-style-type: none"> ▶ Action/note 	<p>This symbol alerts you to situations which may result in damage to property.</p>

2.3 Symbols

Symbol	Meaning
	Additional information, tips
	Permitted or recommended
	Not permitted or not recommended
	Reference to device documentation
	Reference to page
	Reference to graphic
	Result of a step

3 Product description

3.1 Software function

Memobase Pro CZL81 is a software that provides centralized measurement, calibration and sensor data management for sensors with Memosens technology.

It allows end-to-end documentation of relevant data to the sensor and measuring point, e.g.:

- Calibration history including information on the reference solutions used
- Sensor utilization data such as total operating hours, operating hours under extreme process conditions
- Fully traceable documentation for sensors
- Digital sample management

The Liquiline Mobile CML18 multi-parameter handheld measuring instrument and the MemoLink sensor terminal box transmit the data purely digitally so that no measured data is falsified. The data is transferred from the sensor to Memobase Pro CZL81. The measuring signal is converted to digital data in the sensor. Therefore, the Liquiline Mobile CML18 multi-parameter handheld measuring instrument, the MemoLink sensor terminal box, cable and PC software do not affect the measured values.

3.1.1 License model and application packages

Memobase Pro CZL81 is only available as a single station license model with the multi-user option. The license for the Memobase Pro CZL81 application package can only be installed on one piece of hardware (e.g. laptop or PC). All users who can access the hardware have access to the installed Memobase Pro CZL81 software.

The functional range depends on the order configuration.

The following functional packages are available:

Application packages	Range of functions
Memobase Pro CZL81 Basic	Measure, calibrate, document
Memobase Pro CZL81 Plus ¹⁾	Functional range of the "Memobase Plus Basic" license and also: <ul style="list-style-type: none"> ■ Sensor management ■ Advanced diagnostics
Memobase Pro CZL81 Premium ²⁾	Functional range of the "Memobase Pro CZL81 Plus" license and also: <ul style="list-style-type: none"> ■ Audit trail function ■ Function for digital signatures ■ Prediction models (based on laboratory + process data)

1) Available in the future

2) Available in the future

3.1.2 User roles

To protect Memobase Pro CZL81 against unauthorized or undesired modifications, you can allow database access only to certain users who have a database password, and assign user roles to these users.

You can use the following user roles:

	IT administrator (administrator rights for the computer)	Normal user
Registration for the trial period		x
Updating the user settings		x
Connecting/disconnecting transmitters and sensors		x
Actions in the live list (search, filter, etc.)		x
Updating the settings in the live list		x
Updating the display settings of transmitters and sensors		x
Creating/updating a sample		x
Performing a sample measurement		x
Updating the measurement settings		x
Creating/updating a reference solution		x
Performing a sensor calibration and adjustment		x
Creating basic reports		x
Updating advanced sensor settings (deactivation/reactivation)		x
Displaying historical calibration results		x
Updating advanced measurement settings		x
Updating calibration settings		x
(Updating the CML18 firmware)		x
Creating advanced and user-defined reports		x
Displaying the diagnostic function		x
Displaying license information		x
Displaying user settings		x
Displaying the sample list		x
Displaying the measurement list		x
Displaying reports		x
Exporting/saving reports		x
Installing/uninstalling/updating the application	x	
Activating the license – upgrading/downgrading the license	x	

	IT administrator (administrator rights for the computer)	Normal user
Renewing the license	x	
Setting up/managing/calling up the backup/restore process	x	

4 Installation

 For information on the installation and electrical connection of the Liquiline Mobile CML18 multi-parameter handheld measuring instrument, please refer to the Operating Instructions BA02002C (Liquiline Mobile CML18).

 Information on how to install the MemoLink sensor terminal boxes and perform the electrical connection is provided in Operating Instructions BA01134C (MemoLink).

4.1 System requirements

System requirements for installation and use of Memobase Pro CZL81:

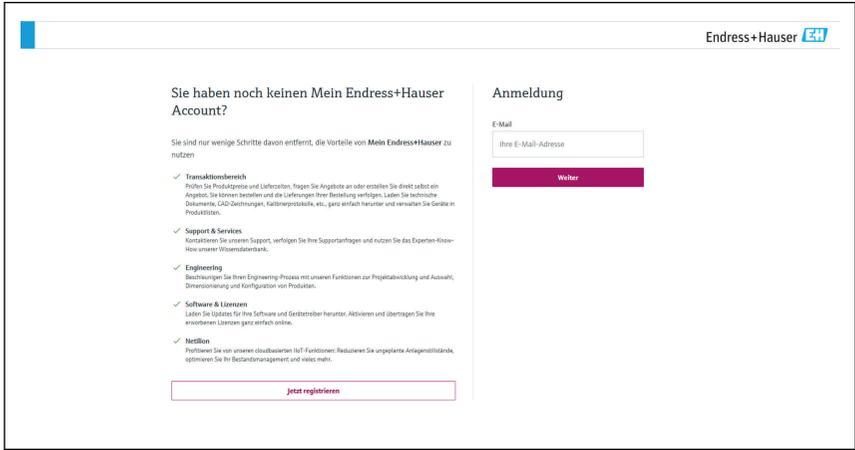
System requirements

Operating system	Windows 10 (32 and 64 bit) Windows 11 (64 bit)
Monitor screen	At least 1280×1024 pixel, also suitable for touchscreen
Processor	Minimum clock speed of 1 GHz
Free hard disk memory	At least 4 GB for the program and database
RAM	4 GB
USB	At least one type A USB interface At least USB 3.0

4.2 Software provisioning

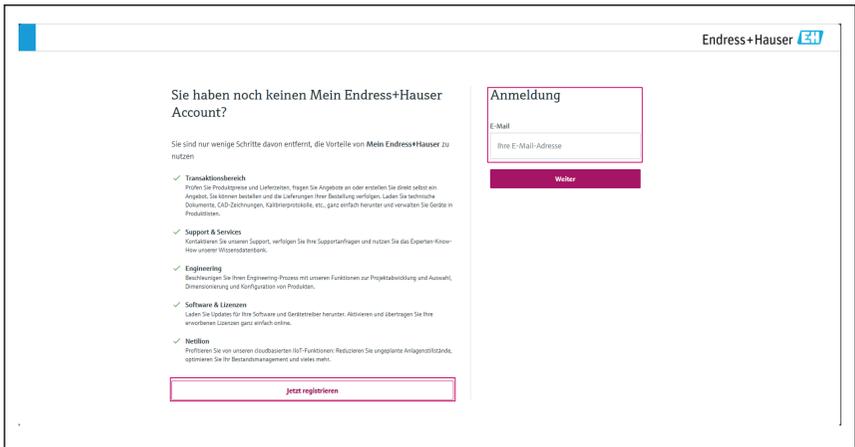
After successfully ordering, you will receive an e-mail with a link to the Endress+Hauser software portal. There you can either log in or, if you do not have an account yet, register.

1. Log in to the Endress+Hauser software portal.



A0057967

2. Log in or, if you do not have an account yet, register.



A0057968

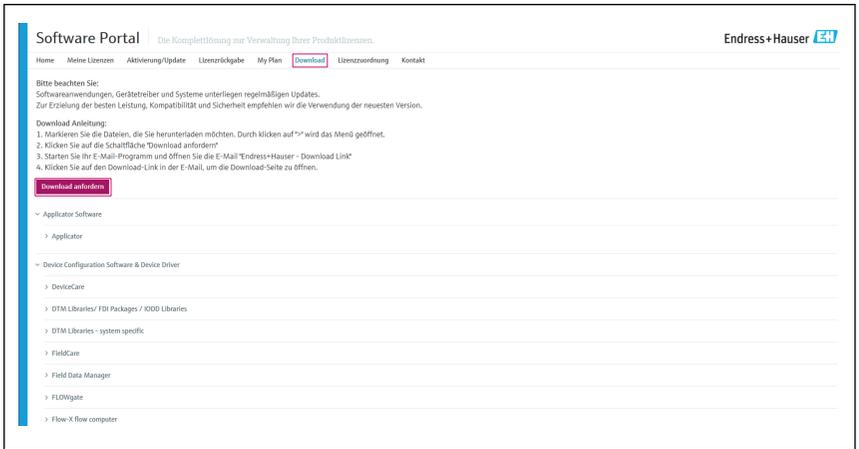
4.3 Software installation

4.3.1 Installing Memobase Pro CZL81 and the Memobase Pro CZL81 license manager

 You require administrator rights to run the installation. Please contact your system administrator if problems occur during the installation.

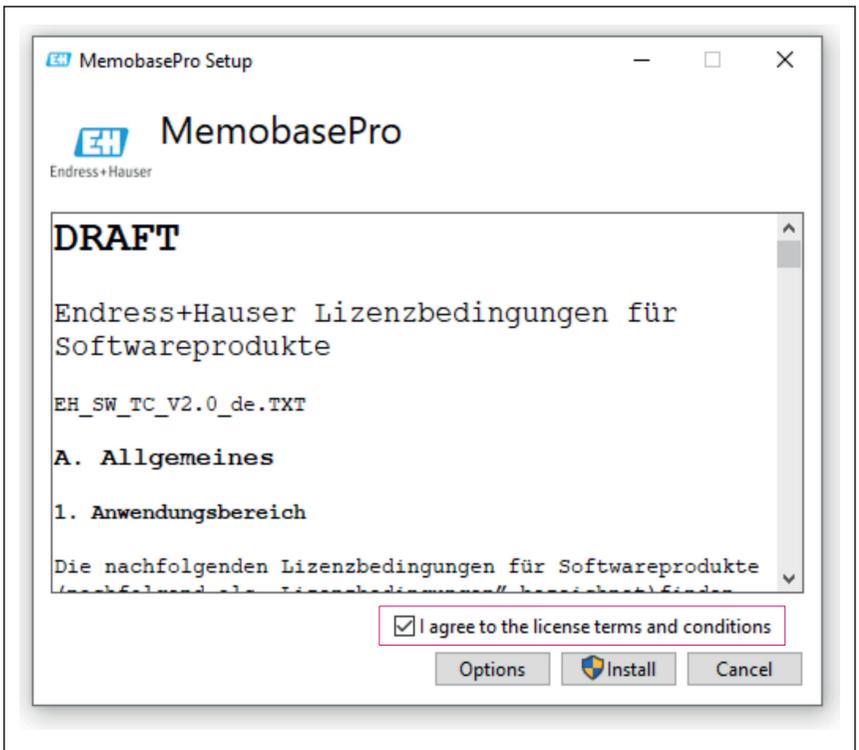
Only connect the USB cable and MemoLink sensor terminal box to the computer once the software has been installed successfully.

1. Open the download area and follow the download instructions.



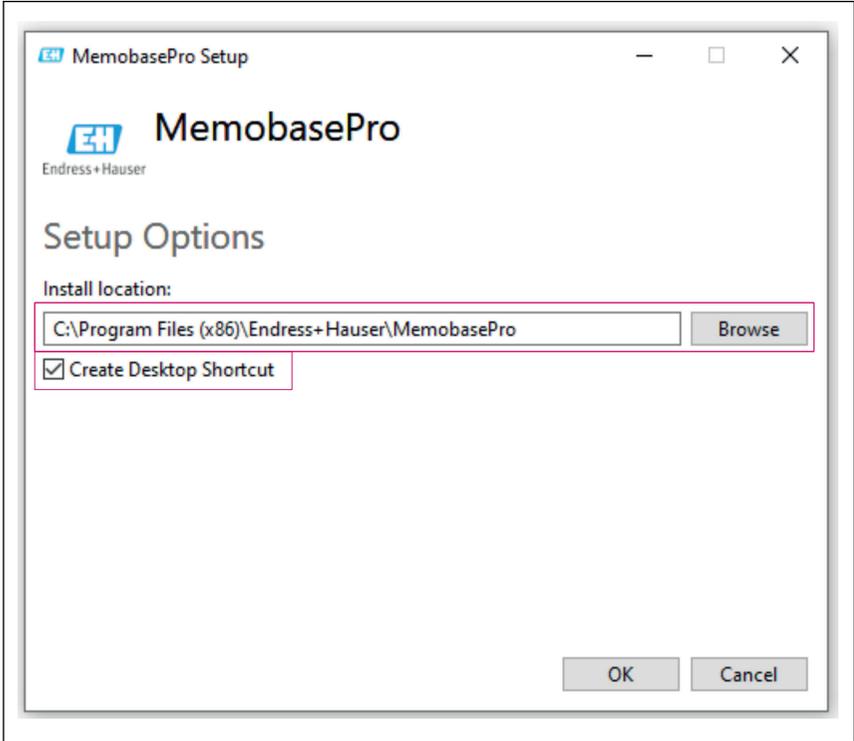
A0057969

2. Read and confirm the license information.



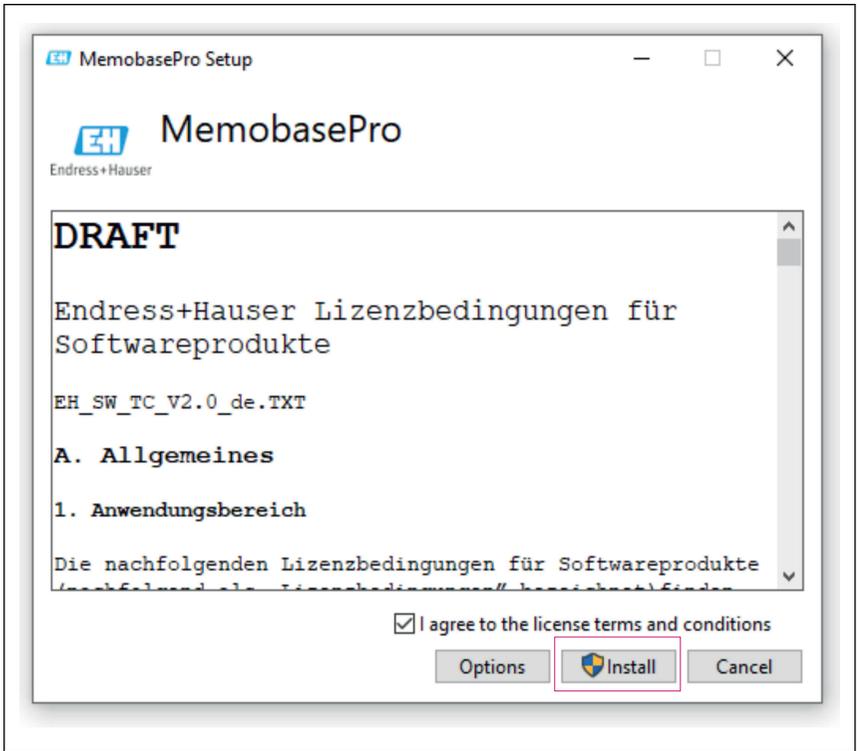
A0057970

3. Define the storage location under Options, create a shortcut if necessary, and then confirm with OK.



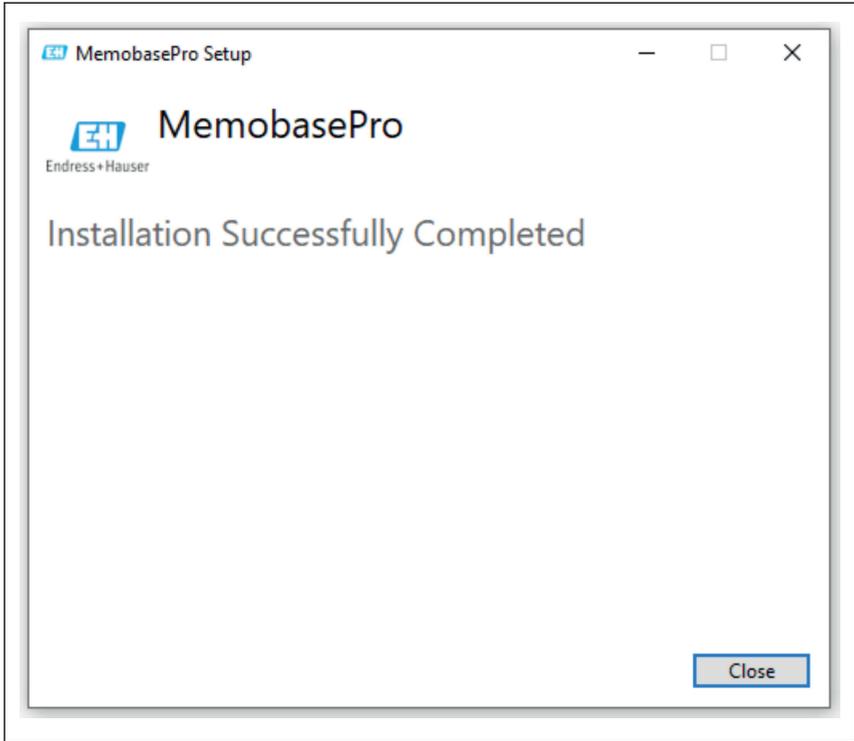
A0057973

- 4. Install Memobase Pro CZL81 by clicking the Install button.



A0057971

Memobase Pro CZL81 and the Memobase Pro CZL81 license manager have been installed successfully.



A0057972

4.4 Activating the software

4.4.1 Trial subscription (grace period)

After installation, the full range of software functions is available to the user. The user can use the application free of charge for the first 60 days as part of a trial subscription. After the 60 days, a paid subscription must be obtained from Endress+Hauser.

4.4.2 Online activation

1. Enter the license key, the e-mail address and the password.



Endress+Hauser License Manager

License Manager

Overview Activate Return Update

Endress+Hauser  Online Mode 

Online Activation

Product Key 

Software Portal Login 

Email

Password

Register [Forgot password?](#)

Activate

Copyright © Endress+Hauser 2024

A0057974

2. Click on Activate.



Endress+Hauser License Manager

License Manager

Overview Activate Return Update

Endress+Hauser  Online Mode 

Online Activation

Product Key 

Software Portal Login 

Email

Password

Register [Forgot password?](#)

Activate

Copyright © Endress+Hauser 2024

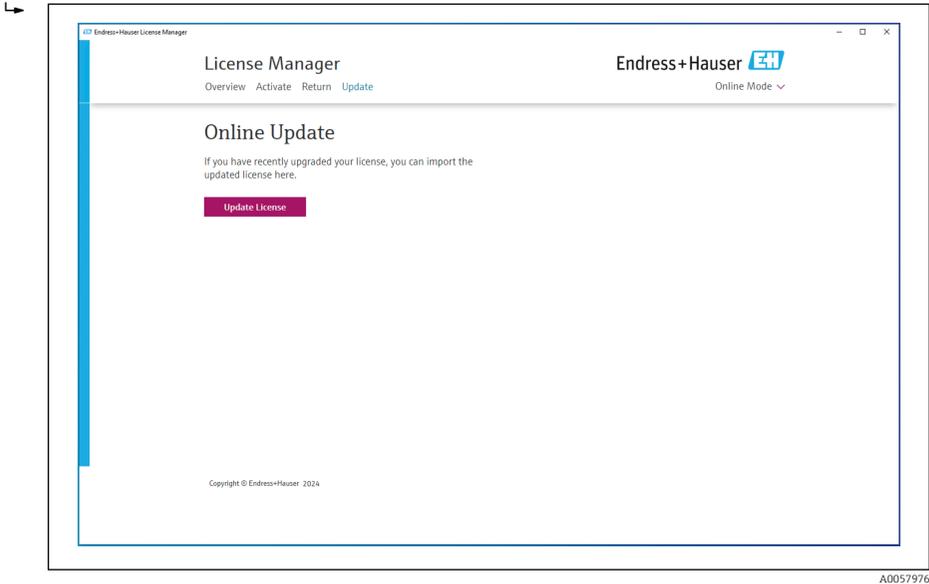
A0057975

The Memobase Pro CZL81 license has been successfully activated

4.5 Updating the software

The Memobase Pro CZL81 license manager contains the update function, which can be used to update the application packages and the license. If you want to update your Memobase Pro CZL81, start the license manager.

- ▶ Follow the instructions of the license manager, see "Online Update".



Memobase Pro CZL81 has been successfully updated.

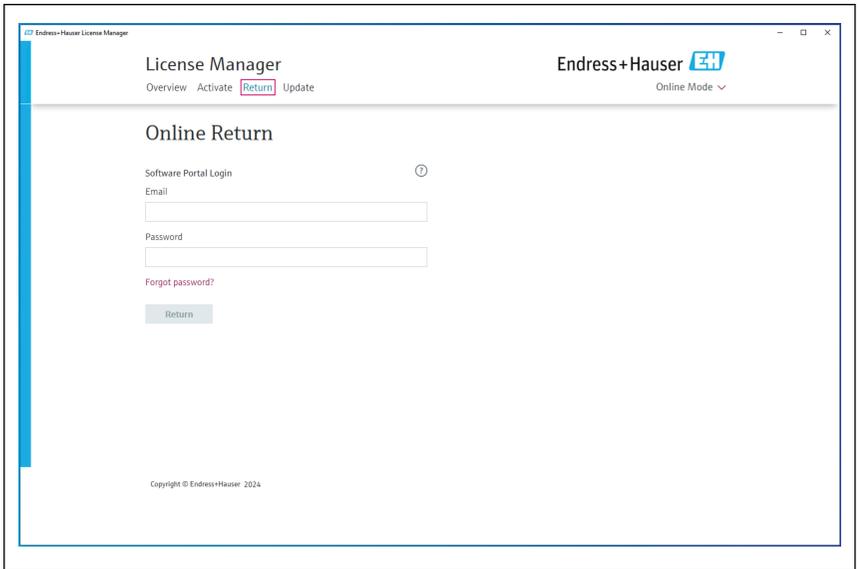
4.6 Updating a subscription with online activation

If the subscription with online activation for Memobase Pro CZL81 is not canceled, the subscription is automatically renewed after 12 months for a further 12 months. The subscription can be canceled via the Endress+Hauser software portal. After renewing the subscription, the changed license information is transferred from the Endress+Hauser software portal to the local license manager and the Memobase Pro CZL81 software, provided the online activation option has been selected.

4.7 Returning a license with online activation

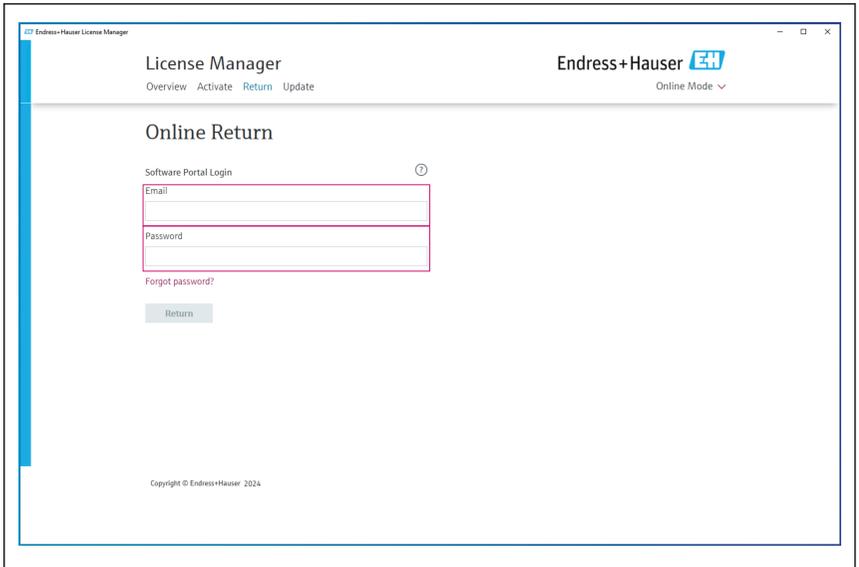
If you want to transfer your license to another hardware, for example due to a computer replacement, you must first return the license and then activate it on the new hardware.

1. Open the "Return" tab.



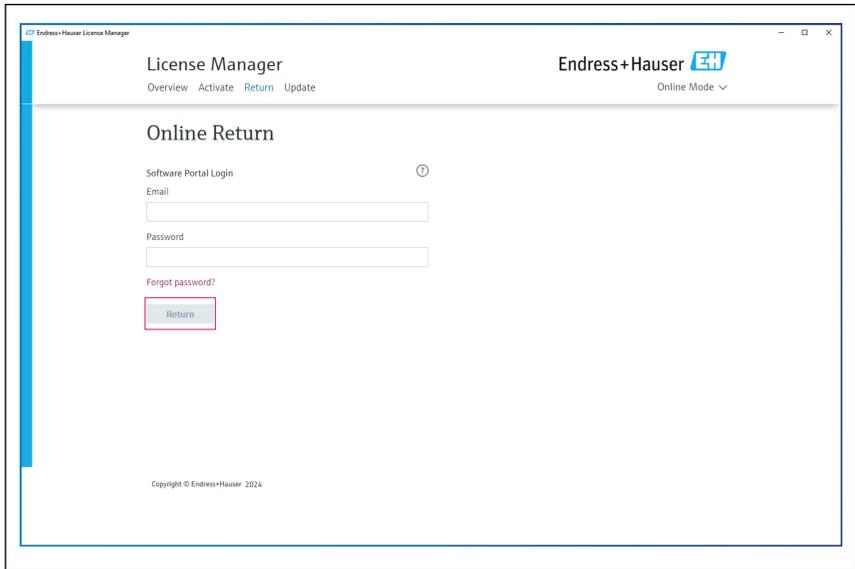
A0057977

2. Enter your e-mail address and password.



A0057978

3. Click on Return.



The Memobase Pro CZL81 license has been successfully returned.

To install the license on new hardware, follow the instructions in the "Activating the software" chapter.



71697792

www.addresses.endress.com
