# Brief Operating Instructions Memobase Pro CZL81

Brief operating instructions







A0023555

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# 1 Change history

Date	Version	Software modifications	Documentation
03/2025	01.00.xx	<ul> <li>Can be installed on a Windows operating version higher than Win 10 LTSC 18/09</li> <li>License model: Single station license</li> <li>Connect pH sensors with up to four sensors with Memobase Pro CZL81 via CML18 and MemoLink</li> <li>Performing, managing and saving data for pH measurements</li> <li>Performing, managing and documenting calibrations and adjustments for two- and three-point calibration</li> <li>Access to and visualization of sensor details and measurement history</li> <li>Manual management of reference solution data</li> </ul>	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
ADANGER Causes (/consequences) If necessary, Consequences of non- compliance (if applicable) Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation <b>will</b> result in a fatal or serious injury.
WARNING Causes (/consequences) If necessary, Consequences of non- compliance (if applicable) Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid the dangerous situation <b>can</b> result in a fatal or serious injury.
CAUTION Causes (/consequences) If necessary, Consequences of non- compliance (if applicable) Corrective action	This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or more serious injuries.
NOTICE Cause/situation If necessary, Consequences of non- compliance (if applicable) Action/note	This symbol alerts you to situations which may result in damage to property.

## 2.3 Symbols

Symbol	Meaning
•	Additional information, tips
	Permitted or recommended
$\mathbf{X}$	Not permitted or not recommended
l	Reference to device documentation
	Reference to page
	Reference to graphic
L <b>.</b>	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 <sup>1)</sup>	<ul><li>Functional range of the "Memobase Plus Basic" license and also:</li><li>Sensor management</li><li>Advanced diagnostics</li></ul>
Memobase Pro CZL81 Premium <sup>2)</sup>	<ul> <li>Functional range of the "Memobase Pro CZL81 Plus" license and also:</li> <li>Audit trail function</li> <li>Function for digital signatures</li> <li>Prediction models (based on laboratory + process data)</li> </ul>
<ol> <li>Available in the future</li> <li>Available in the future</li> </ol>	

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

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

# 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 electricial 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.

		Endress+Hauser
Sie haben noch keinen Mein Endress+Hauser Account?	Anmeldung	
Sie sind nur wenige Schritte davon entfernt, die Vorteile von Mein Endress+Hauser zu nutzen	Ihre E-Mail-Adresse	
Translationsbereich Pilotis Photolatyroo und Livitenzian, fogas Sie Angebeta an oder entelles Sie divist sabita ein Angebeta. Sie tonore aussiehen und die Livitenzagen here Bentiking wertigen. Laten Sie benchehe Daumens, CD Zuitenzugen, Statistrugentabele, att., para einfach hierarber und vervahen Sie Geste in Produktion.	Weiter	
Support & Services Kontatiseen Sie sonen Support, verlogen Sie Ihre Supportantagen und nutzen Sie das Experten-Hone- Hereu samet Watemülderbank.		
<ul> <li>Engineering Beachtwangen Sak Ihnen Engineering-Prozess mit unseren Funktionen zur Projektabwichbang und Auswehl, Dimensionung und Konfuguation von Produktion.</li> </ul>		
Software & Lizenzen Laten Sie Updates f ür her Schware und Gedästensber herunten. Aktivieren und übertragen Sie Ihre enroderen Lateren gasz einfahr online.		
<ul> <li>Healtion Profiliants for anic surgest characteristic that Forderstreem: Reductions Ser ungeplante Anlagentilitations, optimizers Sei hit Betandowanagement and vielas mahr.</li> </ul>		
Jetzt registrieren		

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

	Endress+Haus
Sie haben noch keinen Mein Endress+Hauser Account?	Anmeldung
Sie sind nur wenige Schritte davon entfernt, die Vorteile von Mein Endress+Hauser zu nutzen	thre E-Mail-Adresse
Transuktionsbereich Protes En Produktprese od Lieferzeiter, frages Sie Apoptore en oder exertilen Sie direkt sebet en Apples Sie Makerne Stellen auf die Lieferzogen Ihrer Bestellung werfigen. Laden Sie schnutze Dollarents, U.G. Zieforzungen, Kaltkrappstabilet, etc., gazz einfahr herunter und verwakten Sie Geste in Produktiens.	Weiter
Support & Services Kontakterers Sie usteren Support, werfolgen Sie Ihre Supportan/fagen und nutzen Sie das Expansion-Vineur- Hau warder Woosendatentenk.	
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<ul> <li>Software &amp; Lizenzen Lader Se Updans für be Software und Gerätetreber herunter. Aktivieren und übertragen Sie Ihre erworbens Lizzenze gunz erfrüch entite.</li> </ul>	
V Heilion Profisieren Sie von unseren disubbasieren INI-Freidiszeren Reduzieren Sie ungeplante Anlagenszilistinde, optimiseren Sie Ihr Bestandunaangement und vieles mehr.	
Jetzt registrieren	

### 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.

Software Portal Die Komplettlösung zur Verwaltung Ihrer Produktlizenzen.	Endress+Ha
Home Meine-Lizenzen Aktivierung/Update Lizenzrückgabe My Plan Download Lizenzzuordnung Kontakt	
Bitte beachtens Ge Schwanzendungen, Gestetenber und Systeme unterliegen regelmäßigen tigdates. Zur Erzkinung der hebeten Leichting, Kompatibilität und Schehelt empfehlen wir die Verwendung der neuesten Version. Dewenden Anlehtung: 1. Machtens Siede Enzbeine, die Sie hernentrefaden michten. Durch Micken auf <sup>27</sup> wind das Menü gedfinet. 2. Klassen Sie auf die Schäftlicher Dewendand anderden <sup>4</sup>	
<ol> <li>Starten Sie Intre Khall-Programm und dfilmen Sie die E-Mail Teufersch-Hauser - Download Link<sup>4</sup></li> <li>Klichen Sie auf den Download-Link in der E-Mail, um die Download-Seite zu dfilmen.</li> </ol> Download Indreferen	
Applicator Software     Applicator	
V Device Configuration Software & Device Driver	
> DeviceCare	
> DTM Libraries/ FDI Packages / 1000 Libraries	
> DTM Libraries - system specific	
> FieldCare	
> Field Data Manager	
> FLOWgate	

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2. Read and confirm the license information.

🖾 Memoba	sePro Setup			-		×
Endress+Hauser	Memobas	ePro				
DRAF	Т					^
Endres Softwa	s+Hauser I reprodukte	Lizenzb e	edingung	en für		
EH_SW_TO	V2.0_de.TXT					
A. All	gemeines					
1. Anwen	dungsbereich					
Die nach	folgenden Lize	enzbeding	ungen für S	oftwarepr	odukte	• •
			gree to the licen	se terms and	conditio	ns
			Options	Install	Can	cel

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

💷 MemobasePro Setup	_	
Endress+Hauser		
Setup Options		
C:\Program Files (x86)\Endress+Hauser\MemobasePro		Browse
Create Desktop Shortcut		

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



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



#### 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.

	License Manager	Endress+Hauser 🖾
	Overview Activate Return Update	Online Mode 🗸
	Online Activation	
	Product Key 3	
	Software Portal Login (7)	
	Email	
	Password	
	Desirter Extent permut?	
	register roget passion.	
	Activate	
Γ	Copyright @ Endress+Hauser 2024	
-		

2. Click on Activate.

License Manager	Endress+Hauser (31)	
Overview Activate Return Update	Online Mode V	
Online Activation		
Product Key 3		
Software Portal Login		
Email		
Password		
Register Forgot password?		
Copyright © Endress+Hauser 2024		

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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".

License Manager	Endress+Hauser 🖽	
Overview Activate Return Update	Online Mode $\checkmark$	
Online Update		
If you have recently upgraded your license, you can import the updated license here.		
Update License		
Convicts @ EndersetHouse 1036		
ogyngin o onioarraiddir 2004		

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.

License Manager	Endress+Hauser 🖽
Overview Activate Return Update	Online Mode $\checkmark$
Online Return	
Software Portal Login (?)	
Email	
Password	
Forgot password?	
Return	
Copyright @ Endress+Hauser 2024	

2. Enter your e-mail address and password.

Endress+Hauser License Mana	ger		
	License Manager	Endress+Hauser 🖽	
	Overview Activate Return Update	Online Mode 🗸	
	Online Return		
	Software Portal Login		
	Email		
	Password		
	Forgot password?		
	Return		
I			
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#### 3. Click on Return.

Dicense Manager Overview Activate Return U	pdate	Endress+Hauser
Online Return		
Software Portal Login Email Password Forgot password? Return	0	
Copyright © Endress+Hauser 2024		

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.



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# www.addresses.endress.com

