

Installation Instructions

Liquisys M CxM223/253 and Smartec S CLD132/134

Central modules



Table of contents

1 Overview 3

2 Intended use 4

3 Personnel authorized to carry out conversion 4

4 Safety instructions 4

5 Replacing the central module 5

6 Additional documentation 6

7 Disposal 6

1 Overview

1.1 Spare parts kits

These installation instructions apply to the following spare parts kits:

Order no.	Designation	Order no.	Designation
51501081	CPM2x3 central module I1 without Hart	51501082	CPM2x3 central module I2 without Hart
51501083	CPM2x3 central module I1 with HART	51501084	CPM2x3 central module I2 with HART
51501085	CPM2x3 central module Profibus PA	51501210	CLM2x3 central module I1 without HART cond.
51501212	CLM2x3 central module I2 without HART cond.	51501213	CLM2x3 central module I1 with HART cond.
51501214	CLM2x3 central module I2 with HART cond.	51501215	CLM2x3 central module Profibus PA cond.
51501216	CLM2x3 central module I1 without Hart ind.	51501218	CLM2x3 central module I2 without Hart ind.
51501219	CLM2x3 central module I1 with Hart ind.	51501220	CLM2x3 central module I2 with Hart ind.
51501221	CLM2x3 central module Profibus PA ind.	51501222	COM2x3 central module I2 without HART
51501223	COM2x3 central module I1 with HART	51501225	COM2x3 central module I1 without HART
51501226	COM2x3 central module I2 with HART	51501227	COM2x3 central module Profibus PA
51502376	CLD132 central module 1 output	51502377	CLD132 central module 2 outputs
51502378	CLD132 central module 1 output/HART	51502379	CLD132 central module 2 outputs/HART
51502380	CLD132 central module Profibus PA	51502381	CLD132 central module Profibus DP
51502467	CCM2x3 central module I1 without HART	51502468	CCM2x3 central module I2 without HART
51502495	CCM2x3 central module Profibus PA	51502496	CCM2x3 central module I2 with HART
51502497	CCM2x3 central module I1 with HART	51502498	CCM2x3 central module Profibus DP
51502500	COM2x3 central module Profibus DP	51502501	CLM2x3 central module Profibus DP ind.
51502502	CLM2x3 central module Profibus DP cond.	51502503	CPM2x3 central module Profibus DP
51506379	CLM2x3F central module I1 without HART cond.	51506380	CLM2x3F central module I2 without HART cond.
51506385	CLM2x3F central module I1 without HART ind.	51506386	CLM2x3F central module I2 without HART ind.
71025965	CLD134 central module 1 output	71025968	CLD134 central module 2 outputs
71025969	CLD134 central module 1 output + HART	71025970	CLD134 central module 2 outputs + HART
71025971	CLD134 central module Profibus PA	71025972	CLD134 central module Profibus DP
71134724	CPM2x3: central module PB DP; HW 2.1x	71134729	COM2x3: central module PB DP; HW 2.1x
71134731	CCM2x3: central module PB DP; HW 2.1x	71134733	CLD132: central module PB DP; HW 2.1x

Order no.	Designation		Order no.	Designation
71134734	CLD134: central module PB DP; HW 2.1x		71134726	CLM2x3: central mod. cond. PBDP; HW2.1x
71134727	CLM2x3: central mod. ind. PBDP; HW 2.1x			

2 Intended use

- The parts of the kits must be used exclusively as maintenance parts for the central modules CxM223/253 and CLD132/134. Any other use is not permitted!
- Use only original parts from Endress+Hauser.
- In the Device Viewer, check if the spare part is suitable for the device in question.

3 Personnel authorized to carry out conversion

- Installation, commissioning, operation and maintenance of the measuring system may be carried out only by specially trained technical personnel.
- The technical personnel must be authorized by the plant operator to perform the stated tasks.
- The electrical connection may only be established by an electrical technician.
- The technical personnel must have read and understood these Installation Instructions and must follow the instructions they contain.
- Measuring point faults may be repaired only by authorized and specially trained personnel.
- In the case of Ex-certified devices, the technical staff must also be trained in explosion protection.

 Repairs not described in the Operating Instructions provided must only be carried out directly at the manufacturer's site or by the service organization.

4 Safety instructions

WARNING

Device is live!

Incorrect connection may result in injury or death!

- ▶ The electrical connection may be performed only by an electrical technician.
- ▶ The electrical technician must have read and understood these Operating Instructions and must follow the instructions contained therein.
- ▶ **Prior** to commencing connection work, ensure that no voltage is present on any cable.

5 Replacing the central module

 After a new central module is installed, all settings are reset to the factory settings. Therefore, first make a note of the customer-specific device settings.

5.1 Replacing the circuit board

1. Disassemble the device as described in the Operating Instructions.
2. Then reassemble the device with the new central module.
3. Put the device back into operation and check its basic functionality (e.g. measured value display, operation of the device using the keypad).

5.2 Devices manufactured up to November 2025, serial numbers from 11... to XC...

If required, the device serial number can be entered into the device. For devices with additional functions, this is mandatory.

1. Read the serial number from the device nameplate (e.g. XA345605G00).
2. Enter the first eight characters of the serial number in fields **E114** to **E117**.

 You can only enter the serial number for a factory-new module with the serial number 0000. This can only be done once. Before confirming the inserted serial number with ENTER, make sure that the serial number is correct. If an incorrect entry is made, the additional functions are not enabled. An incorrect serial number can only be corrected at the factory.

3. Confirm the inserted serial number with ENTER or cancel the entry to insert the number again.
4. **For devices with additional functions:** Enter the activation code for the Plus Package in field **S5**, the activation code for ChemoClean in field **S6** the activation code for remote adjustment in field **S8**. The activation codes can be read from the device nameplate.
5. Restore the customer settings of the device. In particular, for the Smartec CLD13x, check the values for the cell constant (A5) and the temperature sensor type (B1).

5.3 Devices manufactured from December 2025, serial numbers from 1D...to XO...



The serial numbers cannot be entered in the device. For devices with additional functions, enter the following activation codes directly:

Liquisys CxM2x3

- S5 Plus Package: **8775**
- S6 ChemoClean: **8847**

Smartec CLD13x

S8 Remote adjustment: **8893**

The activation codes printed on the nameplate are no longer valid with the replaced central module.

6 Additional documentation

Detailed information on the devices shown here can be found in the Operating Instructions for each device and in the other documentation, available at:

- Product page: <https://www.endress.com/>
- Spare parts finder: <https://sft-p.cdn.endress.com/>
- Device Viewer: www.endress.com/device-viewer
- Smartphone/tablet: Endress+Hauser Operations app

7 Disposal



If required by the Directive 2012/19/EU on waste electrical and electronic equipment (WEEE), the product is marked with the depicted symbol in order to minimize the disposal of WEEE as unsorted municipal waste. Do not dispose of products bearing this marking as unsorted municipal waste. Instead, return them to the manufacturer for disposal under the applicable conditions.



71784628

www.addresses.endress.com
