



Level



Pressure



Flow



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Manufacturer Information

for users regarding software- and hardware changes
(According to NAMUR-Recommendation 53)

1 Type of device

- ☒ Field device / signal processing device
☐ Monitoring-/ operation system

Manufacturer : Endress+Hauser
Device : Liquiline CM42 pH/ORP
Part number/Order code : CM42

Fieldbus / Interface	:	Fieldbus	Device Type
		PROFIBUS	0x1565

2 Firmware, Hardware I

- ☒ Firmware
☒ Hardware I

Previous Version : Firmware 10.07.03, Hardware I FMPA1, Device Type 0x1543
New Version : Firmware 2.01.00, Hardware I FMPA3, Device Type 0x1565

How the current firmware and/or hardware I version number can be detected:
Standard Fieldbus communication, FieldCare/DTM, Display

Description of the modification in comparison with the predecessor version:

- Change of parameter and sensor type without DAT.
- PA Profile 3.02
- After a firmware update the parameter settings and logbooks were not deleted. Also the settings from a Copy DAT can be used in different software versions.
- Fieldbus up – and download without device restart.
- New fieldbus drivers (DTM / DT) with full access and spreadsheet editor, logbook function, diagnosis.
- Improvement in the menu sensor status, sensor states and operating hours are shown in numeric sequence.

pH:

- Display of temperature value during pH calibration
- Menu stability criteria for pH has been moved from “diagnose menu” to parameter menu / sensor / cal. Settings.



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3 Compatibility (Firmware, Hardware I)

Is the new firmware version compatible with the previous version, the installed device software drivers, or service tools and/or is the new hardware I version compatible with the previous hardware I version?

- ☐ Yes
☒ No, description:

The hardware module for profibus communication has been revised. For the distinct identification the order code has been changed:

Former order code: CM42-xxx2xxx

New order code: CM42-xxx5xxx

All fieldbus driver have been revised and a new device type was given.

Is a firmware update and/or the exchange of hardware I components generally recommended?

- ☐ Yes, reason:

The update/exchange can be performed as follows:

- Exchange of printed circuit boards: I/O- and measuring amplifier.
(This procedure is described in the operating instructions of the measuring system).
- Flashing the new soft-/ firmware .

- ☒ No, Reason:

Update only necessary, if function enhancements are desired.

4 Operating Instruction

Is a new operating instruction necessary due to the modification due to section 2?

- ☒ Yes
☐ No

Which operating instruction corresponds to the new firmware and/or hardware I:

A new operation instruction corresponding to the device configuration can be requested at the following URL:

<http://www.endress.com/en/pages/liquiline-cm42-operating-instructions-documentation>

5 Price

Does the price of the device change compared to its predecessor version?

- ☐ Yes, new price list and updated costs (without installation) are attached
☒ No