



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
		HART	0x11A0
		Profibus PA	0x1565
		FOUNDATION fieldbus	0x10A0

2 Firmware, Hardware I

- Firmware
- Hardware I

Previous Version : 02.04.01
 New Version : 02.04.02

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:

- Increased input range (up to 500) for alarm CIP and SIP diagnostic settings of pH and ORP sensors
- More robust FOUNDATION fieldbus communication implemented. Abnormal situations are detected and solved.
- More robust HART communication implemented. Current distortion sensitivity has been adjusted to avoid spikes on the current output.
- The number of device restarts is now displayed under Diag/Device information/CPU/ Number of restarts.
 A factory default will reset the counter.



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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:

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