



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 conductivity
 Part number/Order code : CM42

Fieldbus / Interface	:	Fieldbus	Device Type
		FOUNDATION fieldbus	0x10A1

2 Firmware, Hardware I

- Firmware
- Hardware I

Previous Version : Firmware 13.07.03, Hardware I FMPA1, Device Type 0x1090
 New Version : Firmware 2.01.00, Hardware I FMPA3, Device Type 0x10A1

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.
- FF implementation of the enhanced Field Diagnostics FF-912
- 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.
- 4-Pole-electrode (CLS82D) will be supported. This function is available for devices manufactured after 17th of April 2012
- 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.



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Conductivity:

- New concentration tables for conductivity
 - NaOH 0-15%,
 - NaOH 18-50%,
 - HCl 0-20%,
 - HNO₃ 0-25%,
 - HNO₃ 24-30%,
 - H₂SO₄ 0-28%,
 - H₂SO₄ 40-80%,
 - H₂SO₄ 93-100%,
 - H₃PO₄ 0-49%,
 - NaCl 0-26%

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 FF communication has been revised. For the distinct identification the order code has been changed:

Former order code: CM42-xxx3xxx

New order code: CM42-xxx6xxx

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.



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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