



# Manufacturer Information

for users regarding software updates  
(following the NAMUR recommendation 53)

## 1 Type of device

- Field device / signal processing device
- Monitoring- / operation system / hand held terminal etc.
- Modem / interface

Manufacturer : Endress+Hauser  
 Device : Liquiline  
 Type : CM442, CM444, CM448  
 Previous software version : 1.04.00

How can the previous software version number be identified:

- (a) With standard HART or PROFIBUS Communication
- (b) with FieldCare/DTM
- (c) Display

## 2 Software

New software version : 1.04.01

Description of the modification in comparison with the predecessor version:

### Liquiline CM44 - Enhancements & Improvements:

- Faster initial start of the oxygen sensor COS22D
- Stored Profibus-Adresse while Software-update
- Minutes are included in timestamp for Profibus transfer
- Timestamp of the logbooks according used time zone
- Transfer of the logbooks via Webbrowser enhanced to bigger sizes of the logbooks
- Measurement range switch robust against wrong configurations

## 3 Compatibility

Is the operating tool compatible with the installed device software?

- Yes
- No, description:

Is a software update generally recommended?

- Yes, reason:



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The software update can be performed by means of ...

- SD card

No, reason:

Update only necessary if functional enhancements are desired

### 4 Instruction manual

Is a new instruction manual necessary due to the modification of the software?

- Yes  
 No

Which manual corresponds to the new software:

Device	Communication options	Manual Marking
CM442/444/448	All	BA00444CEN.pdf
		BA00445CEN.pdf
		BA00450CEN.pdf
		BA00451CEN.pdf
		Liquiline Commissioning
		Liquiline Maintenance & Diagnostics
		Liquiline Operation & Setting
		Liquiline Calibration

The new instruction manuals can be referred in Internet:

<http://www.endress.com> - area „DOWNLOAD“  
- declaration of the device and kind of manual

### 5 Price

Change in price of device in comparison with the predecessor version?

- Yes, new list price and update costs (without installation) are enclosed  
 No