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

### 1 Type of device

□ Field device / signal processing detection   Signal pro	levice
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☐ Monitoring- / operation system / hand held terminal etc.

☐ Modem / interface

Manufacturer : Endress+Hauser

Device : Liquistation

Type : CSF48, CSF34

Previous software : 1.05.00

version

How can the previous software version number be identified:

(a) With standard Fieldbus communication

(b) with FieldCare/DTM

(c) Display

#### 2 Software

New software version : 1.05.01

Description of the modification in comparison with the predecessor version:

#### Samper - New Features, Enhancements & Improvements:

- Progress indication at binary output for manual sampling
- Fixed flow totalizer to enable flow dependent sampling programs

#### **Enhancements & Improvements:**

- Support of the optical sensors for fresh water turbidity CUS52D
- improved software stability for the Liquiline device platform
- Corrected diagnostic message F262 "Electronics module no communication"
- For easy commissioning via the Ethernet network the factory setting is DHCP = on

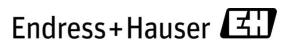
#### Known issue with this software version

• In some cases the export of the logbooks via the webserver was not complete. In this case please repeat the download or transfer the data with the sd card.

#### 3 Compatibility

Is the operating tool compatible with the installed device software?

☐ No, description:























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

	Is a software update generally recommended?					
	☐ Yes, reason:					
	The software update can be performed by means of  • SD card					
No, reason:     ■ No.						
	Update not recommended					
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		
	CSF48, CSF34	All	BA00443CDE.pdf	Liquistation Commissioning		
			BA00463CDE.pdf	Liquistation Maintenance & Diagnostics		
			BA00464CDE.pdf	Liquistation Operation & Setting		
			BA00467CDE.pdf	Liquistation Calibration		
The new instruction manuals can be referred in Internet: <a href="http://www.endress.com">http://www.endress.com</a> - 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						

