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.

Manufacturer : Endress+Hauser

Device : Liquiline Type : CM44x

Fieldbus / Interface : Fieldbus Device Type

> **PROFIBUS** 0x155D

2 Firmware, Hardware I

□ Hardware I

Old firmware version : 1.05.01 New firmware version : 1.05.02

How can the previous Firmware / Hardware I version number be identified:

Standard Fieldbus communication, FieldCare/DTM, Display Description of the modification in comparison with the predecessor version:

- New language Vietnamese
- Activation of service mode by dip switch for fixed IP address
- Simple SAC zero point correction implemented
- Integration of CLS82D / 4 pole conductivity sensors
- Integration of COS81D / oxygen sensors
- Entry of correction factor for CUS51D calibration
- Integration of new Ethernet board for simultaneous operation with 6 current outputs
- Flash frequency adjustable for nitrate and SAC for clear water applications
- Field Data Manager Software online connection implemented
- New process value UVT 10 mm for UV disinfection applications
- Sensor input with HOLD multi-select for multiple cleaning programs
- Conductivity concentration tables editable in % or mg/l
- Simultaneous measurement of conductivity and concentration
- New conductivity concentration table NaOH 25% 50%
- Menu 'System test' and 'Reset' split into two menus



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3 Compatil	oility (Firmware,	Hardware I)	
	operating tool (-	previous version, the installed device farware I version compatible with the
YesNo, descr	ription:		
Is a Firmwar	e / Hardware I u	ipdate generally recommer	nded?
☐ Yes, reas	on:		
The upd		can be performed by mean	s of
⊠ No, reaso	on:		
Update o	only necessary, i	f function enhancements a	re desired.
4 Instruction	on manual		
Is a new inst	ruction manual	necessary due to the modif	fication of the software?
⊠ Yes □ No			
Which manu	ıal corresponds	to the new firmware and/o	or hardware I:
CM44x	All	BA00444CEN.pdf	Operating instruction Liquiline
		BA01245CEN.pdf	Operating instruction Memosens
		s can be referred in Interne - area DOWNI OAD"	et:

- declaration of the device and kind of manual

5 Price

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

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