Level Pressure Flow Temperature Liquid Analysis Registration Systems Components Services Solutions

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 Conducta GmbH+Co
Device	: Liquistation
Type	: CSF48
Previous software version	: 1.01.00

How can the previous software version number be identified:

(a) with Standard HART Command #0

(b) with Fieldcare/DTM

(c) local operation display

2 Firmware/Software

New firm-/software version : 1.02.01

Description of the modification in comparison with the predecessor version:

Functional enhancements
support of further sensors:
- Chlorine
- ISE (ion selective electrode)
- Sludge level (CUS71D)
- SAC (CAS51D)

Communication protocol HART
Mathematic functions:
- differential conductivity
- difference calculation
- rH calculation (out of pH and ORP)
- degased conductivity
- pH calculation (out of conductivity)

miscellaneous
- Chemoclean
- Export configuration (Parameter Export as XML)
- Keylock/ Keyunlock: Jog-Longpress
- different menue structure with „extended setup"
- freely configurable measurement screens
- Channel Assignment View
- support of new relay cards (2x relay / 4x relay)

Functional improvements:

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- no general deletion of the logbooks after sensor change
- resolved sporadic read/write problems with SD-cards
- as well for option BASIC: Bottle synchronisation
- automatic buffer recognition with pH 9 and pH 12 buffer improved
- activated buffer tables or medium temperatur tables are restored from SD card

known defects:

general:
- entries in calibration logbook after restart, not only after calibration
- up/download not possible via service DTM, only via SD card

sludge level
- display of old line plot for 60 seconds after sensor 'reboot track'

nitrate:
- copy of calibration set not always successful with first try

sampler
- backups on SD card moved from folder 'CSF48/backup' to 'sampler/backup'. For re-use backups must be copied manually
- channel description labels in datalogger are cut after 16 characters
- in winter mode the hysteresis settings are only observanced by sampling and not by climate aggregate.

3 Compatibility

Is the newly installed firmware/software compatible with the operating tools?

☒ Yes
☐ No, description:

Is a firm/software update generally recommended?

☐ Yes, reasons:

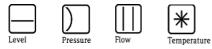The firm-/software update can be performed by means of …

SC-card

☒ No, reasons:

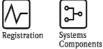Update only necessary if functional enhancements are desired

4 Instruction manual

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

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☒ Yes
☐ No

Which manual corresponds to the new firm-/software:

Device	Communication options Manual	Marking

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

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