

A405-CONDI

ChangeLog

Firmware History

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Table of Contents

Version 1.1.0.....	2
Version 1.1.1.....	2
Version 1.2.0.....	2
Version 1.2.1.....	3
Version 1.2.2.....	3
Version 1.2.3.....	3
Version 1.3.0.....	3

Firmware History

Version 1.1.0

Flow indication

Now, the flow rate can be displayed by pressing **meas**. Error signals are temporarily suppressed.

Version 1.1.1

Sensor model SE 680 (KIM)

Writing data in the sensor was optimized.

Optimization of device start-up behavior

The start-up behavior of the device was optimized to ensure a safe device start.

Fault detection of parameter management

The internal fault detection which caused the display of error 98 (wrong parameter setting) was improved.

Response time of flow measurement was reduced

Display of bootloader version

In addition to the firmware version, now also the bootloader version is displayed.

Version 1.2.0

Sensor model SE680*M with Memosens protocol was implemented

Extended measuring range: 000.0 ... 999.9 $\mu\text{S}/\text{cm}$

Extended measuring ranges for concentration measurement

Reference temperature can be entered in °F

Monitoring the sensor lines for breakage

For conductivity measurement without temperature compensation, the sensor line can be monitored by activating the new TEMP CHECK parameter (ON/OFF) in the ALARM menu.

Extended options for temperature compensation for ultrapure water

HART

Bootloader version can be read out via HART.

All active error messages are output via HART command 48:

Command 48 - "Read Additional Device Status"

Limits for minimum current span were removed

Relax time for wash contact can be adjusted as desired.

IrDA port was disabled

Adjustment, testing, and software update take place via the RS-485 Memosens interface.

Sensor verification with measuring point (TAG) and group of measuring points (GROUP)

Version 1.2.1

Additional sensor type selection: SE 670 conductivity sensor

Version 1.2.2

Detection of enter key was optimized

Sensor type selection was optimized

Bug fix: Under certain circumstances the cell constant was reset to default (1) when the sensor type was changed.

Version 1.2.3

Relay control in the case of a missing or wrong sensor was optimized

Version 1.3.0

New: Calibration of inductive conductivity installation factor

For inductive conductivity Memosens sensors the installation factor calibration is available.

New: User specific concentration table

A user specific concentration table can be entered.