

A405-COND

ChangeLog
Firmware History

Knick Elektronische Messgeräte GmbH & Co. KG

www.knick.de

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

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

Memosens monitoring was optimized

Device limits are monitored and an error message is generated when a limit is exceeded. Measurement is still possible when the parameters saved in the Memosens are exceeded, e.g., during CIP/SIP.

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 concentration tables for conductivity

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

New adjustment range for current outputs: xxxx mS/cm

Version 1.2.2

Detection of enter key was optimized

Version 1.2.3

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

Version 1.3.0

New: User-specific concentration table

A user-specific concentration table can be entered.

New: Support for Memosens conductivity 4-pole sensors