Stratos Evo A402 pH

Firmware History
until Version 1.2.2

Knick Elektronische Messgeräte GmbH & Co. KG

www.knick.de

Table of Contents

Firmware History

Version 1.1.0

Relax time for wash contact can be adjusted as desired.

Memosens monitoring was improved
Sensor communication was designed to be more robust, so that sporadic sensor error messages (Error 04 – Sensor Failure) could not occur any more.

Behavior in case of bad calibration values
After a sensor adjustment with bad calibration results a measured value continues to be displayed (previously replaced by dashes).

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.

New standard buffer set according to NIST DIN 19266 implemented

-05- NIST standard   1.679/4.006/6.865/9.180 for a reference temperature of 25 °C / 77 °F

Calculation of rH value implemented

The rH value can be calculated from the pH value and the ORP value (pH-compensated ORP).

Expansion of wear detection

Detecting and counting CIP

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

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

Detection of enter key was optimized

Voltage output to Power Out after restart was optimized

Version 1.2.2

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

Identification of Memosens sensors was optimized