

Protos II-4400

ChangeLog

Document Version 1.0

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1 Version History

1.1 Version 1.0.1

Bugfix: Sporadic device restart

1.2 Version 1.0.2

Bugfix: Measured value recorder not activatable in 12h time format

1.3 Version 1.1.0

New: Product calibration in "Concentration" mode for conductivity sensors

New: A calibration can be declared as initial adjustment for ISM pH/ORP sensors and amperometric oxygen sensors.

New: Load matrix and statistics data can be displayed for ISM pH/ORP sensors and amperometric oxygen sensors.

New: Support ISM pH/Redox sensors and amperometric oxygen sensors

New: Calibration mode temperature, calibration of the temperature sensor

New: Menu language Chinese

New: Menu language Korean

New: Menu language Swedish

New: Support of PROFINET communication module PN 4400-095

New: Support of the measuring module MSU 4400(X)-180

Bugfix: Incorrect load error message of current outputs 3 and 4 at OUT 3400(X)-071 module

Bugfix: Incorrect display of SIP cycles of Memosens amperometric oxygen sensors in the Sensor Information menu.

Bugfix: Wrong display of the wear value of amperometric Memosens oxygen sensors if the welding monitoring was not active

Bugfix: Wrong serial number in calibration record of Memosens amperometric oxygen sensors

Bugfix: Faulty SIP counter monitoring with Memosens amperometric oxygen sensors

Bugfix: In the configuration of the SE740 LDO oxygen sensor, SIP counter monitoring was missing

Bugfix: Incorrect adjustment date in the sensor detection window for Memosens redox sensors

1.4 Version 1.1.1

Bugfix: Stability problem when displaying certain Asian characters

Bugfix: Incorrect display of the pressure measuring unit at the start of a calibration

1.5 Version 1.1.2

Change: Nominal zero point for pH sensors

Range expansion: -19.99...19.99 pH

1.6 Version 1.2.0

New: Calibration method Determination of nominal zero point

Protos II 4400(X) with pH module PH3400(X)-033

Bugfix: Glass and reference impedance with pH module PH3400(X)-033

The measured values of glass and reference impedance did not return to normal after exceeding the range.

Bugfix: Hardware version information was missing in parameter export

The specification was missing in the parameter export to memory card (data card) and was therefore not visible in Progalog 4000.

Bugfix: Serial numbers were missing in the parameter export

The information was missing in the parameter export to memory card (data card) and was therefore not visible in Progalog 4000.

1.7 Version 1.3.0

New: Support Unical 9000(X)

New: Trace measurement for oxygen sensor SE740

New: Support Modul MSU 4400(X)-180

Change: Extension of the supported range of functions of Memosens pH sensors

New: Calibration and adjustment records stored on DCard

New: Buffer preset calibration method

Specific preselection of the buffer for each calibration point.

New: A calibration can be marked as initial calibration

New: Live measured values in the toolbar

New: Possibility of software update from COMPA 3400(X)-081 modules

Change: Recorder for oxygen concentration in mg/l extended to 3 decimal places

New: Messages on calibration/adjustment result

The following messages have been added:

F246: Calibration successful

F247: Calibration successful

F248: Calibration not successful

Change: Display of cell constant of conductivity sensors extended to up to 5 decimal places

Change: Timeout canceled in case of inactivity in the menu

Previously, the parameterization menu was automatically exited after 20 minutes of inactivity and jumped back to the measuring mode.

1.8 Version 1.3.1

Bugfix: Detection of a communication problem between Protos and Unical

In rare cases, communication between Protos and Unical could be interrupted.

Bugfix: Device status corrected for certain messages

The effect of the following messages has been corrected from failure to maintenance requirement.

All messages concern the parameterization or overrange of the current outputs.

Module FRONT: B070, B071, B072, B074, B075, B076, B077, B079

Module OUT: I070, I071, I072, I074, I075, I076, I077, I079

Bugfix: Setting the measuring point identification (TAG) via Profibus

The value could not be written via Profibus.

Change: Expansion of the adjustment range of the polarization voltage of analog oxygen sensors

The value range has been extended from -1000...-400 mV to -1000...0 mV.

1.9 Version 1.4.0

New: Audit Trail option in accordance with FDA 21 CFR Part 11 principles

New: Support for Protos COMPA4400(X)-082 module

New: Support for Unical system forecasting

New: Firmware updates without TAN option

New: Calibration limits for pH zero point/slope can be set independently of the sensor monitoring limits

New: pH glass impedance (measured value and monitoring) available for sensors with “pH” functionality

Currently only available for sensors with the “pH (A1.1)” and “pH/Redox” function range.

New: Measuring units for bus transmission (PROFIBUS, PROFINET, HART) adjustable

New: Extended concentration table for calculating the oleum concentration for values from 60 to 72% by weight

Bug fix: Messages P065 and D064 “Sensoface sad Cal. Timer” changed from class failure to maintenance required.

Change: Input option for flushing intervals changed from 0.1 h to 0.01 h

Change: Improved menu structure in the sensor and measurement value monitoring section of the parameter menu

Change: Additional symbol (I1, I2, ...) in measured value display of current outputs

Change: Saving the logbook to a data card without the TAN option

Option “104 Logbook” removed
Parameter menu simplified

Change: Device serial number in file names when saving logbook, measurement recorder, and Unical system forecast

Previously: Month+Year

Bug fix: Input of oxygen concentration [ppm] during current output parameterization

Change: Default value for redox potential monitoring changed from “Off” to “Device limits max.”

Change: Protos reports summarized and revised

Notification classes N, V, W, and X are omitted.

New: Measurement value recorder “On/Off” recording