

Release history for Swema 3000

Upgrading erases saved measurements. Downgrading is not recommended.

Version 5.43 2023-11-16

The shortest time constant for SWA 32 is now 0.1 second.

Version 5.42 2023-01-20

Bug fix for SwemaTerminal 2 and draught sensor SWA 03. Print to PC of SWA 03 LOGP file is corrected. "Sort data from Swema 3000" with option "SWA03 Logp" makes a correct graf again.

Version 5.40 2022-04-06

New sensor possible: SWA 32 is more exact adjusted than than SWA 31, otherwise it is the same sensor. The duct leakage tester k-factor can have up to 4 decimals. Highest possible k-faktor is 6,5.

Version 5.38 2019-10-08

Exponent down to 0,010 is now possible. (Menu 2, lowest was 0,400) Used in Mode DPF, DPK, Duct, Building In and BuildingOut.

Error 2 is not shown at electric discharge at hose connections with Swema 3000md.

Version 5.38 2019-10-08

Exponent used in Program DPF och DPK (Meny 2)ned till 0,010 möjligt (tidigare lägst 0,400). Error 2 visas inte vid elektrisk urladdning via slangnipplarna på Swema 3000md.

Version 5.37 2019-09-03

Minor bug fix, for SwemaTwin.

Version 5.35 2015-09-28

In Swema 3000md / mdH+, adjustment can be made in all calibartion points to minimize differential pressure corrections. °C and also dutch language is displayed correctly efter pressing ENTER.

Version 5.31 2014-02-24

Unimportant signs removed from menu 1, occured when no sensor was connected.

Version 5.30 2013-11-27

With duct leakage tester it's possible in Menu 1 to freely set a value for the pressure steps.

Version 5.29 2013-05-27

With duct leakage tester the preasure steps over 100 Pa is changed to increase with 50 Pa steps instead of 100 Pa. It's now possible to set a value of 150 & 250 Pa etc.

Version 5.28 2013-03-07

In measuring mode DPK it's now possible to set desired air flow with a decimal.

LOGP is working correct (could sometimes show "???" instead of average pressure in the protocol).

A problem when using Dutch language is corrected.

Version 5.27 2013-01-28

Russian language is available.

LOG with Interval set to 10 & 15s works again (problem with these settings in version 5.25 & 5.26).

Version 5.26 2012-11-26

More decimals possible when measuring only pressure or temperature as it was in 5.24 and earlier.

Version 5.25 2012-11-26

It is possible to choose between real & standard density compensation (Menu2)

It is possible to log more than 25 days

Version 5.24 2012-07-05

The measurement value is changed when the arrow keys up and down changes the diameter in mode APF.

Version 5.23 2012-04-17

New DPK mode with differential pressure. Shows K-factor to reach selected flow.
It is possible to select the exponent for K-factor flows in DPF and DPK. Default at turn-on is 0,5.

Version 5.21 2011-11-29

Communication between Swema 3000 and SwemaFlow 125D/4000 is improved.

Version 5.20 2011-10-13

APF, measurement mode: Arrow up and down changes to next diameter (if diameter is chosen).
DPF, measurement mode: Arrow up and down changes to next k-factor.
Swema 3000md: New calibration protocol with hundreds of Pascals introduced. Old protocol is still valid.
By printing out probe calibration protocol by "Enter", also barometer and thermo couple protocol is printed.
When turning on, booth next calibration date for instrument and probe is printed.
When turning on booth s/n for instrument and probe is shown. Press down ON until message is read.
BP (Back Pressure) mode is available when SwemaFlow 125D is connected.
When a blinking BP measurement is saved : "Non valid flow" appears in note due to uncertain values.
Leakage tester: Zeroing of inbuilt and external SWA 10 pressure probe is done at same time.
Leakage tester: SWA 10 is always measuring the flow.

Version 5.18 2011-07-04

SwemaFlow 125D and SwemaFlow 4000 can be connected to Swema 3000.
Time constant up to 2 minutes for SWA 03. Earlier only up to 0,5 seconds.

Version 5.17 2010-10-27

sek or sec is used for seconds in saved measurements. s was used before for some languages. The reason is to sort LOG files better in SwemaTerminal 2.

Version 5.16 2010-07-01

Minor improvements for leakage testing.

Version 5.15 2010-05-11

Leakage testing for building: The protocol shows the leakage flows in measured order.
Leakage testing for building: Select "tab", ":", or none as delimiter when transferring protocols to PC.
Leakage testing for building: The temperature can be set below zero °C.

Version 5.14 2009-12-15

Special analogue output cable is back. By mistake removed in 5.12 and 5.13.

Version 5.13 2009-12-07

Utskrift av AS med tryckmätare blir rätt i alla utskriftslägen
Mode LogP finns igen för differenstryck med 3000md, SWA 10 eller SWA 07 (removed in 5.06)

Version 5.12 2009-11-13

Erasing of protocols works correctly.
Leakage testing: Default for stepping is 10Pa (was 0).

Version 5.11 2009-06-16

Special analogue output cable introduced. One analogue voltage signal possible for each probe.
Leakage testing for building: Fan can be selected to be inside or outside tested area. The protocol presents the flow per area with two decimals instead of with one decimal.

Version 5.10 2009-03-04

HygroClip 2-S, a new probe type is added.

Duct leakage test protocol is improved.

Version 5.09 2009-01-27

Range of Swema 3000mdH+ is extended to +/-10.000Pa

Duct and Building leakage testing is added

The notes are shorter for saving space when printout

Identification of HygroClip is changed to HygroClip cable

Flow is shown in APF note. Removed Max, Min velocity for diff pressure probe in APF-note.

Added the possible use of Flow-factor for all flow hoods and modes except LOG-mode.

Measured values and saved Note values are identical.

The number of decimals has fewer selection possibilities.

Selection of sampling time limited to max 15 seconds in mode AF and BP for SwemaFlow 125.

Swema 3000 remembers MODE, Time constant and number of decimal for the last two used probes and for the inbuilt pressure probe on Swema 3000md.

Number of displayed decimals is independent of duct size, decreases when there is no space to display.

m3/s is never used in protocols. m3/s was used for high values to save space.

Version 5.08 2008-02-29

Pt100 4-wire is a new type of temperature probes.

Japanese protocols are removed due to unsolved characters printout problems.

Version 5.07 2008-01-08

It is possible to adjust the precision of the clock in menu3.

Pressing the LEFT-KEY in the measuring mode gives the number of samples/ notes that are possible to be saved in the instrument. This feature works even during logging.

The default mode with the SWA31 probe is APF.

Version 5.06 2007-12-12

Continuous probe error check. No possibility to write wrong probe data in probe memory. If the probe is removed, short-circuit or broken a short error message will be shown on the display

New startup messages will be shown when turning on by pressing ON. The message will be kept on the display until the ON button is released.

Time is shown in the measuring mode. Time and date is saved in Note and Logg book.

A new menu "Menu3" is added where you can set the time, date, language and auto off. The menus are called Menu1, Menu2 and Menu3. Use function key to navigate. From measuring mode it is also possible to use the right arrow key.

When using pressure probes in LOG mode with the interval ≥ 10 s and Auto-zero on the probe will be automatically "Zeroed" before saving each measured pressure.

When logging (mode LOG) with pressure probe and Auto-zero, with a thermocouple connected the display will show the pressure, temperature and the barometer values and store them in the Log-book.

The communication between the instrument and the PC is improved.

LOGP mode is removed from all probes except thermistor probes, SWA31 and SWA03.

Version 5.05 2007-11

LOG with Differential Pressure is logging only Pressure, Thermocouple K and Barometric pressure.

LOGP only available with SWA 31 and SWA 03.