

1 Purpose

This document describes the innovations and fixed bugs in the following new firmware versions:

- 5.865.0030
- 5.876.0030

in comparison with the firmware versions:

- 5.865.0026
- 5.876.0026

2 What's new

Topic	Description
New processor	The device runs with a new processor. Devices with firmware version 5.865.0026/5.876.0026 or older can therefore not be updated to firmware version 5.865.0030/5.876.0030. A new device with a new processor is required for using firmware version 5.865.0030/5.876.0030.
Methods and backups	Methods and backups which were created on program version 5.865.0030/5.876.0030 are not reverse-compatible.
USB Plug & Play	USB flash drives and printers can be connected or removed at any time. The device does not need to be switched off before a USB flash drive or a printer is connected or removed.
RS-232/USB Box Version 2.0	There is a new version of the RS-232/USB Box 6.2148.030. Starting with program version 5.865.0030/5.876.0030, Version 2.0 of the RS-232/USB Box must be used. Version 2.0 of the RS-232/USB Box is identified with a sticker accordingly.

Topic	Description
Languages installed	All available languages are installed on the device. No additional language files need to be loaded. The following languages are available: ▪ German ▪ English ▪ French ▪ Spanish ▪ Portuguese ▪ Italian
Program files directory	New program files must be stored in the 865 ► SwUpdates/876 ► SwUpdates directory.

3 Fixed bugs

Topic	Description
Solution name is missing	If a new solution was created under Menu ► System ► Solutions and if [GO] was pressed, even though the solution name was missing, then the dosing would run incorrectly.
Titer has expired	Dosing mode DOS : A warning appears at the start of the dosing if a solution with expired titer is used. If the dosing was continued (message acknowledged with the [Yes]), dosing would take place without the [GO] key being pressed once again.
Sample identifications are missing	Dosing modes XDOS , LQT , CNT D : The sample identifications ID1 and ID2 were missing the result report for the sample data.
PC/LIMS report titrant data faulty	Titrant data would be output in the PC/LIMS report, even though the titrant was not defined.
Remote interface Output 3	Dosing pulses were not sent correctly to Output 3 of the remote interface. The function has been removed.
Remote interface Output 4	If an error occurred, no remote signal would be set at Error line Output 4 (Pin 5).
USB keyboard key assignment	The key combination [Ctrl] + [Q] did not trigger the Cancel function in the editing dialog. Instead, it triggered the Accept function.
Empty solution list	An error would occur if a deletion was triggered in an empty solution list.
Error 005-505 Volume too large	Dosing mode XDOS : An error occurred incorrectly with the dosing criterion Rate/Time in the following case: A volume was entered in Volume/Time dosing mode that exceeded the volume limit. Afterwards, the dosing mode is changed to Rate/Time . Even though no volume is defined in Rate/Time dosing mode, the error 005-505 Volume too large would occur at the start of the dosing.

Topic	Description
Pulse control parameterization via 781	If the Dosimat plus is actuated via the remote interface of the 781 pH/Ion Meter using pulse control, then the Mode Dosing ramp must be selected in the dosing parameters on the Dosimat plus in DOS mode. An untreated error occurred if Volume mode was selected.

4 Known issues

Topic	Description
Restoration after backup	In firmware version 5.865.0030/5.876.0030, if a backup from a lower firmware version is restored, then the settings under System ► External devices will not be applied.