

1 Purpose

This document describes the differences between the new software version **tiamo 2.1** and its predecessor **tiamo 2.0**.

2 New features

New instruments

- Titrandos
 - 851
 - 852

New command

- **BRC**: Command for coulometric titration for determining the bromine consumption (bromine index/bromine number)

News in the program part Method

- Automatic start of the titration after adding sample for **KFC**
- Formula editor: Function Student t

3 Fixed bugs and problems

General

- The E-mail template in the report is always being checked, even if it is not used.

Devices

- 774: The heater is not being stopped in case of a defective temperature sensor.
- 778, 789, 888, 890: The remote box does not work.
- Titrino: The window evaluation does not work correctly.
- 778, 789: Exception if the lift is to be lowered at an invalid rack position.
- Sartorius balances: Transmit data only when using point as decimal separator.

Commands

- **DET**: Difficulties to correctly transmit the max. increment to the device when changing the type of device (Titrino/Titrando) during the command.

- **CTRL/SCAN** with devices with less than 14 output lines (Titrino, Avantes):
The lines were counted from the left instead of from the right
- **MEAS Cond:** Exception, if **Reference temperature = off** is being set.
- **MEAS Cond:** Additional calculated values are not shown in the live curve window when the result unit was selected from the list.
- **KFT, SET, KFC:** The start drift is 0.0 when the automatic conditioning is disabled.
- **CAL LOOP pH:** Calibration using special buffer doesn't work when using manual temperature entry different from 25°C.

Database program part

- Unexpectedly steep EPs (ERC > 1000) are being lost during recalculation.

Method program part

- Exception when recalculating a calculation with CV = **invalid**.

Configuration program part

- Exception in the Audit Trail, if "date#" is being used as an entry (e.g. ID1).

4 Compliance

The current software version does not contain any modifications regarding 21 CFR Part 11 and GAMP.

Herisau, 4 September 2009



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