# Metrohm

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## Release Notes                                                              EN

## 1    Purpose

This document describes new features, improvements as well as fixed bugs and problems in the following new firmware version:

- 5.916.0040

in comparison with the previous version.

- 5.916.0033

## 2    New features

- A new version of the 916 Ti-Touch is available, which is equipped with a built-in magnetic stirrer (article number: 1.916.0020).
- 916 Ti-Touch now complies with FDA 21 CFR Part 11.
- 916 Ti-Touch can now perform STAT titration.
- 916 Ti-Touch supports the new 810 Sample Processor.
- Added buffer pH 1.679 by "Radiometer Analytical".
- The document 8.840.4523 Titrando Compliance Guide 840/PC Control 4.1 has been updated for the 900 Touch Control and now includes 915 KF Ti-Touch, 916 Ti-Touch, and 917 Coulometer. New article number: 8.900.4007 Compliance Guide Touch Control.

## 3    Improvements

- The following buffer series have been updated: NIST (all), Fluka (all series), Merck CertiPUR 20/Titrisol (pH 12.000), Merck CertiPUR (25 °C) (pH 4.00 and pH 10.00).

## 4    Fixed Bugs and Problems

- If in the dialog **Dosing unit / PREP parameters** the volume was set to **cylinder volume** , the PREP run did not work correctly.
- If a determination was canceled in the dialog **Electronic signature** , the determination did not end correctly.

- If a report was manually created out of a determination by means of **Print ▸ Report ▸ Report seq. as def. in method** , under certain conditions the two chapters "Results" and "Messages" were printed on top of each other.
- When in a system a balance and a USB thermal printer Neo´s were used, communication problems could occur.
- An attempt to load a Metrohm subsequence template in a language which does not support Metrohm method templates, lead to hidden Metrohm method templates upon returning to the dialog **Load method / New Method** .
- In case there were two users with administrator rights in user administration. When one of them was set into inactive state, he could not be reset to active state.
- In the command **EVAL RATE** two fields were named incorrectly: **Lower limit x** and **Lower limit (x + 1)**
- If a report was generated manually and if the report settings were modified, each modification was tracked in the Audit Trail and the method was marked as modified.
- The text of the error message „026-111 Audit Trail" was corrected.
- The commands STAT and MAT were not displayed in the method report "Titration and measuring parameters".
- When modifying a level 1 signed method, those level 1 signatures were not completely deleted.
- The Audit Trail Viewer displayed times from the Audit Trail incorrectly. This problem was solved with a new version of the Audit Trail Viewer (Version 1.2).
- When executing a backup, the message 020-903 "Saving …" was not always displayed.
- With 915 KF Ti-Touch and 916 Ti-Touch, the firmware of the sample processors (810 Sample Processor, 814 USB Sample Processor and 815 USB Sample Processor XL) could not be updated.
- In the Diagnosis area, the Remote Box test did not work correctly at MSB4.
- In the Diagnosis area, the live view did not work correctly with the beaker test of sample processors.

# 5 Compliance

The current firmware version of the 916 Ti-Touch complies with 21 CFR Part 11 and GAMP.

# 6 Manufacturer

Metrohm AG, Ionenstrasse, CH-9100 Herisau/Switzerland

Metrohm AG holds the SQS certificate ISO 9001 – Quality management system for the development, production and sale of instruments and accessories for analyses.

Herisau, May 23rd, 2017

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