

Subject: Release of ProLink® III v4.4 Software

Overview

This documents the release of new software for the ProLink® III application. The version of this software is 4.4. The build number of this software release is Build #428 Revision 2. Download links for the Basic full release or the Professional upgrade-only release can be found on the **ProLink III Updates** web page referenced below.

Products Affected

ProLink III software application.

NAMUR NE 53 Rating

This release is rated at NAMUR NE 53 Level 2.

Symptoms

The following symptoms may appear with previous versions of ProLink III software:

1. For the 1700 Analog v8.x transmitter with PVR enabled, the process variables display does not show the numeric value of the Oil Total at Line. It shows units data but no total.
2. The start date setting initialized when downloading 5700 device historical log files would be more useful if it was the current date minus one day.
3. With a simulated connection to the 1700 Analog transmitter, when the mA Output is configured to volume flow rate, the FO channel configuration is set to Mass Flow Rate with the UI control disabled. The FO channel should allow changes, and be consistent with the mA Output.
4. When a user tries entering FCF for T-Series sensors using an old tag, there is no indication on the Calibration screen about how to enter the FCF versus the FT value. Straight tube and curved tube sensors have different tag information present. Add UI support for both tag types.
5. For the 2700 Configurable I/O transmitter v7.3/v6.7 with both HART 7 and HART 5 capability, the core processor version number is shown on the Device Information screen as 0.00 when the device is set for HART 7. When set for HART 5, the core processor version number is displayed correctly.
6. For 4200 and 5700-family transmitters, pressure compensation is not available for some sensors.
7. ProLink III with 800 Direct Connect only allows SMV Basic with ETO 16483 enabled in the enhanced core processor. Instead, it should allow SMV Professional when the ETO is present and SMV Basic otherwise.

8. In the SMV Run Test wizard and SMV Field Baseline wizard, it's too easy for users to dismiss the wizards before test results have been saved in the ProLink III database, and an SMV report has been generated. Adjust wizard behavior so all results outputs are saved before the user is able to exit the wizards.
9. In the ProLink III log files, some users need a number of static data fields from the logging session to be captured for reference. Add device information like tag, device UID, device software version, sensor serial number, transmitter serial number, sensor model, CP unique ID, HART device ID, device type, and time zone, and also add ProLink III version and build information.
10. For 5700 device family transmitters, there is confusion around the numeric byte order settings for service port and channel E. The UI should make it clear what device communication ports the byte order settings apply to for all released firmware and device types.
11. For 4200 and 5700-family devices, if Piecewise Linearization for Gas (PWL) is licensed, the UI screen should be available in ProLink III even though PWL itself may be disabled using the coil for that purpose.
12. For 2400S-family devices, Smart Meter Verification is not available as a discrete event action assignment.

Resolution

All items listed above have been resolved with this new revision of software.

Details for specific issues:

- Symptom #6: Some sensors do not require pressure compensation. For 4200 and 5700-family transmitters with Measurement Confidence firmware, when the attached sensor does not benefit from pressure compensation, a note to this effect is shown on the Pressure Compensation screen and other appropriate locations on the UI, and the Pressure Compensation Status combo box will be set to disabled and read-only.

Additional Features

This version of software includes the following changes to device support over previous versions.

- Added support for Rosemount Flow 8782 magnetic flow meter transmitter.
- Added Basic Smart Meter Verification support for Qiming device with firmware v6.23 or higher.
- Added LD Optimization and SMV Field Baseline support for the new F300+ Coriolis sensor.
- Some users want the ProLink III log files to also contain a number of device configuration data items. This has been added as constant data to the top of .csv log files.
- Some users would like to know what HART commands are being used for the various HART burst options available. This has been added as help text for reference.

- A dedicated screen was added for setup of all polled variables in one place. This is in addition to the existing context-aware polled variable setup facilities.
- Previously, ProLink III Basic did not allow configuration screens to show for Marine Bunkering, PVR, TBR, and TMR device capabilities. These screens are now available with ProLink III Basic if the connected device supports the features.

ProLink III Updates

To update an existing version of ProLink III Professional Software, or to download a new installation of ProLink III Basic Software, go to the 'Software Downloads & Drivers' section of the ProLink III webpage:

www.emerson.com/ProLink

There is no change to the purchasing or licensing procedures for ProLink III Professional Software.

Contact Information

Product information is available on the internet at: www.emerson.com.

Customer Service Phone Numbers:

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Micro Motion Asia	65 6777-8211
Micro Motion UK	44 0870 240 1978
Micro Motion Japan	81 3 5769-6803

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Thank you for your continued support.

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