

Subject: Model 2700 Transmitters with FOUNDATION™ Fieldbus v9.00 Firmware

Overview

This bulletin documents the release of the transmitter firmware for the Model 2700 transmitter with FOUNDATION™ fieldbus. The version of the new firmware is 9.00.

Products Affected

Model 2700 transmitter with FOUNDATION fieldbus (model code: 2700***E or 2700***N).

NAMUR NE 53 Rating

This release is rated at NAMUR NE 53 Level 2 with a NAMUR NE 53 version of 01.09.00.

Symptoms

The following symptoms may appear in Model 2700 transmitter with FOUNDATION fieldbus:

- Standard Cubic Feet per Second (SCFS) and Standard Cubic Feet per Day (SCFD) units missing from XD_SCALE when the Analog Input (AI) Function Block is set to Gas Standard Volume.
- When the Integrator Function Block is configured for internal total, the RESET_IN input does not reset device internal total.
- When the Integrator Function Block is configured for any internal total, the output value updates at very low rate (about 6 to 12 seconds).
- Transmitter is not showing assembly number of attached core processor.
- AMS EDD does not have a way to change volume flow type to Gas.
- If volume flow type is set as liquid, attempting to assign Integrator Function Block to integrate internal Gas Standard Volume Total, device returns error message (wrong mode) for request even though transmitter is in correct mode (Out of Service [OOS]).
- Transmitter connected to 700 core processor revision 3.4 with concentration measurement enabled does not update Net Mass Total value.

Resolution

- The above issues have been corrected with the release of the 2700 transmitter FOUNDATION fieldbus v9.00 firmware.

Additional Features

- Support for Orion 2.00 release of CDM, FDM and FVM.
- Basic Smart Meter Verification.
- The NE53 version has been added to the display and access using Service port.

Host Compatibility

- ProLink III v4.0 or later contains support for the applicable additional features noted above. If you have ProLink III v3.0 installed, go to the ProLink Product page (<http://www.emerson.com/catalog/en-us/micro-motion-prolink-flow>) under Documents & Drawings/Software Downloads & Drivers for an update.
- 2700 FOUNDATION Fieldbus DDs and AMS install kits for device revision 9 contain support for the applicable additional features noted above and are available for download at <http://www2.emersonprocess.com/en-US/documentation/deviceinstallkits/Pages/deviceinstallkitsearch.aspx>.
- 2700 FOUNDATION Fieldbus DTMs for device revision 9 contain support for the applicable additional features noted above, but they are currently in development. They will be posted for download, when ready, at <http://www2.emersonprocess.com/en-US/documentation/deviceinstallkits/Pages/deviceinstallkitsearch.aspx>.
- 2700 FOUNDATION Fieldbus device revision 9 files are available for the Trex Device Communicator using Upgrade Studio and for the 475/375 Field Communicators using the Easy Upgrade Utility.

Contact Information

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

Customer Service Phone Numbers:

Micro Motion USA	1-800-522-6277
Micro Motion Europe	31 (0) 318 495 555
Micro Motion Asia	65 6777-8211
Micro Motion UK	44 0870 240 1978
Micro Motion Japan	81 3 5769-6803

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