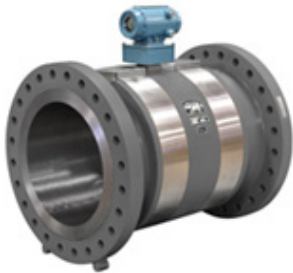


Firmware Release Summary: Daniel 3810 Series Liquid Ultrasonic Flow Meters

Download firmware &
software for 3810
electronics



Version 1.27

- A number of minor enhancements were introduced in this version, including:
 - Fixed issue where measurement was affected during waveform collection when the meter was in rapid batch mode.
 - Fixed issue where firmware intermittently read incorrect pressure and temperature input values when the meter was running under high stress.
 - Fixed issue where the meter generated an empty log file during creation of an event or timed log if the meter's clock was backdated.
 - Fixed issue where the meter did not generate an alarm during firing synchronization (IsXdcrFiringSyncActive) resets.

Version 1.24

- Minor enhancements include:
 - Fixed GHOST network vulnerability discovered within Linux libraries.
 - Fixed issue with frequency output in test mode dropping when meter goes from measurement into acquisition mode.

Version 1.18

- Added support for RS-485 on Port B.
- Enhanced Transducer Health Monitoring to avoid unnecessary alarms and premature discarding of waveforms.
- Additional minor enhancements include:
 - Prevented issues with reoccurring live pressure and temperature errors in System logs.
 - Prevented condition where, during flow calibration, meter indicated it is in calibration mode when it is not.
 - Fixed issue where Port A RS-485 full duplex did not work at 1200 or 2400 BPS.
 - Fixed issue where units would be forced to 'U.S. Customary' and time base to 'per hour' for Port A when Port A override switch was toggled.
 - Fixed issue that could cause Acquisition Module communication errors while streaming waveform files.
 - Fixed issue where CurrDayFlowTime and CurrHourFlowTime always reported zero.
 - Fixed issue where a chord remained in failure mode after activating an inactive chord.

Version 1.16

- Enhanced chord substitution feature to improve the accuracy of the calculated measurement in the event of a chord failure.

Version 1.13

- Added display of CRC-32 checksum on local display if installed for compliance to OIML R117.

Version 1.09

- Fixed an issue introduced in v1.06 firmware. If the system clock was set to a date prior to 1 January 2003, as is often the case during installation, the externally visible meter time (i.e. RTCSecondsSinceEpochRead, RTCSecond) is not properly updated.

Firmware Release Summary: Daniel 3810 Series Liquid Ultrasonic Flow Meters

Version 1.06

- A number of minor enhancements were introduced in this version, including:
 - Fixed issue in which activating Write Protect while Output Test was underway led to meter rebooting.
 - Fixed issue to prevent proper chord weightings from being applied when DeviceNumber was changed.
 - Fixed issue in the local display that could cause task to fail when the local display configuration was changed.
 - Corrected errors in logging of temperature alarms.

Version 1.04

- Added support for HART® 7.
- Added support for Local Display.

Version 1.03

- Required to achieve accurate analog output values for IOBdType 2 and later. Analog output error was $\leq 0.38\%$. IOBdType can be found in Daniel MeterLink™ Software in the 'Meter Information' section.

Emerson Automation Solutions

Daniel Measurement and Control, Inc.

North America / Latin America:

Headquarters

USA - Houston, Texas

T +1.713.467.6000

USA Toll Free 1.888.FLOW.001

Europe: Stirling, Scotland, UK

T +44.1786.433400

Middle East, Africa: Dubai, UAE

T +971.4.811.8100

Asia Pacific: Singapore

T +65.6777.8211

www.Emerson.com/Daniel

