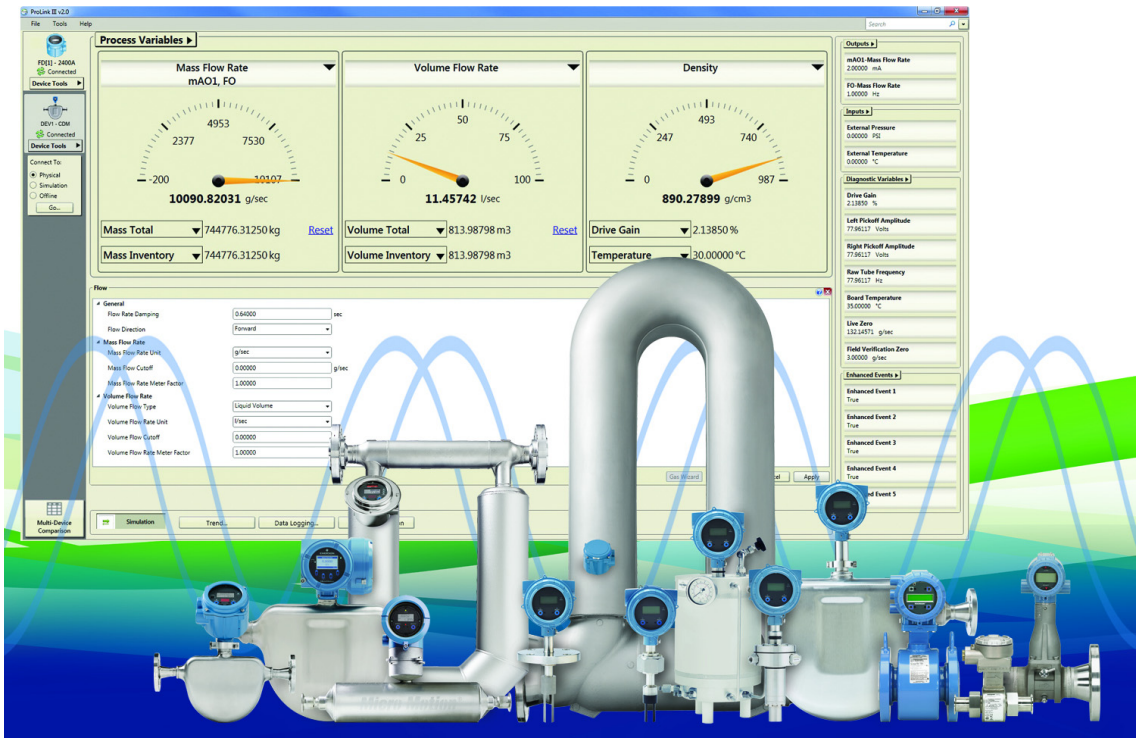
Product Data Sheet
PS-001446, Rev. F
March 2016

ProLink® III Software

A Configuration and Service Tool for Micro Motion® and Rosemount Flow® Devices



World-class configuration, service, and troubleshooting tool

- Supports all Micro Motion flow, density, and viscosity meters.
- Supports Rosemount 8600D, 8732E, 8712E, 8712H, and 8800D
- Management and simulation of configuration files

Intuitive display of process variables and diagnostics

- Enhanced data logging functionality, both on-demand or time-based
- Graphical process variable trending views

Support for multiple devices and protocols

- Supports HART, Modbus RS-485, USB-A to USB-A wired communications from PC to Model 5700 devices, and Modbus/TCP communications
- Simultaneously connect to multiple devices
- Process variable comparison tool for evaluating multiple devices simultaneously

EMERSON™
Process Management

ProLink® III configuration and service software

About ProLink® III

ProLink® III delivers all the power and flexibility you need to configure and manage Micro Motion® and Rosemount Flow devices and analyze process data. ProLink III provides an easy-to-use interface that allows you to have your meter up and running quickly no matter how complex your configuration or diagnostic needs are.

ProLink III provides an intuitive, dashboard-like interface where you can simultaneously access all the information you may need to assess your meter's health. You can easily see your process variables and alert conditions from a single screen. You can also view detailed information about the raw signals being processed by a device; such as drive gain, time period, and pickoff values. This kind of information can be extremely helpful when troubleshooting device behavior and can minimize expensive downtime.

ProLink III also provides configuration capabilities that allow you to save and upload configuration information from one device to another. Or, you can use the offline configuration tool to configure a device prior to making a physical connection. With features like these, you can more efficiently manage the set up and commissioning of your Micro Motion or Rosemount Flow device.

Advantages

- Intuitive interface for clear, concise data portrayal
- Improved connectivity through HART, Modbus and Modbus/TCP support
- Task-oriented interface design that streamlines work practices
- Online process variable trending tool can highlight process control opportunities
- Capability to diagnose meters remotely using Modbus/TCP connection
- Simultaneously view process data from more than one meter
- Offline configuration reduces connection time to meters in hazardous areas
- Device simulation that allows you to understand a meter's capabilities and functionality
- Easily view calibration and configuration data in a printable report that allows you to quickly reference a device's setup
- Guided connection tool with a drag-and-drop interface that allows you to easily configure your device connection

ProLink III versions – Basic or Professional

You have two options for purchasing ProLink III: as a Basic edition or a Professional edition for either Micro Motion or Rosemount Flow. Following are the features available in each edition of ProLink III.

Micro Motion Basic and Professional features per edition

Feature	Basic		Professional	
	Coriolis Transmitters	Density/Viscosity Meters	Coriolis Transmitters	Density/Viscosity Meters
Full transmitter configuration	✓	✓	✓	✓
Alert notifications	✓	✓	✓	✓
Alert resolution guide	✓	✓	✓	✓
Diagnostics/inputs/outputs display	✓	✓	✓	✓
Smart Meter Verification launch	✓		✓	
Load and save device configurations	✓	✓	✓	✓
Known Density Verification launch		✓		✓
Known Density Verification reports		✓		✓
Smart Meter Verification reports			✓	
Process variable trending (one or more devices)			✓	✓
Offline configuration management			✓	✓
Device simulation			✓	✓
Data logging			✓	✓
Multidevice comparison tool			✓	✓
Guided process support tools			✓	✓
Modbus/TCP			✓	✓

Rosemount Flow Basic and Professional features per edition

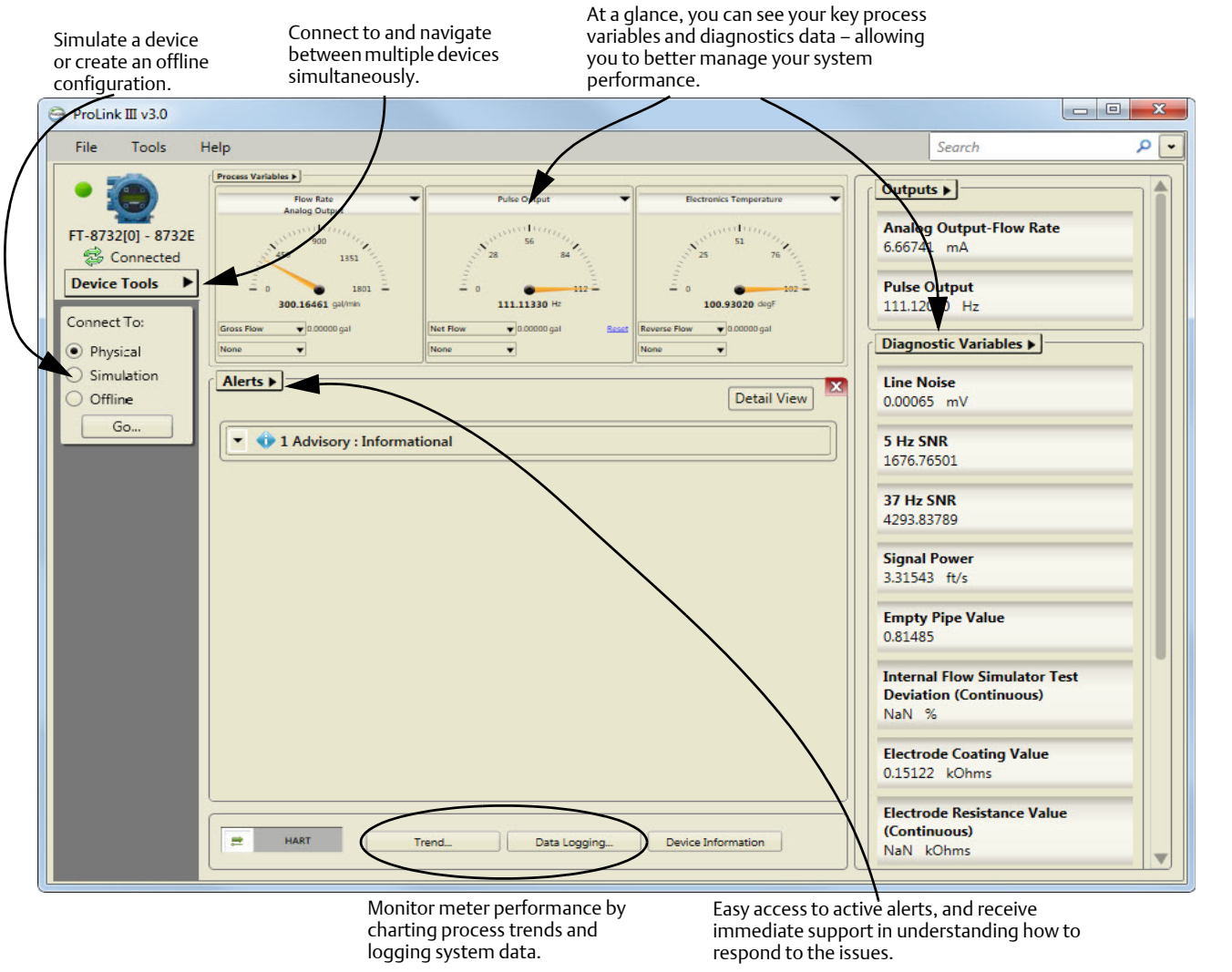
Feature	Basic		Professional	
	Magmeter transmitters	Vortex transmitters	Magmeter transmitters	Vortex transmitters
Full transmitter configuration	✓	✓	✓	✓
Alert notifications	✓	✓	✓	✓
Alert resolution guide	✓	✓	✓	✓
Diagnostics/inputs/outputs display	✓	✓	✓	✓
Smart Meter Verification launch	✓		✓	
Load and save device configurations	✓	✓	✓	✓
Known Density Verification launch				
Known Density Verification reports				
Smart Meter Verification reports			✓	
Process variable trending (one or more devices)			✓	✓
Offline configuration management			✓	✓
Device simulation			✓	✓
Data logging			✓	✓
Multidevice comparison tool			✓	✓
Guided process support tools			✓	✓
Modbus/TCP				
Filter visualization tool				✓

ProLink III – A clear window into your process

ProLink III offers a clear, reliable view of your key process information from one main display screen. ProLink III can help you to manage your system process variables more efficiently – saving you time when investigating process problems – and reducing the need for physically viewing the local device displays. Regardless of how you have configured your device outputs, ProLink III displays all the process variable information that the device has available, including totalizer and inventory data.

Easily configure your device from a single access point

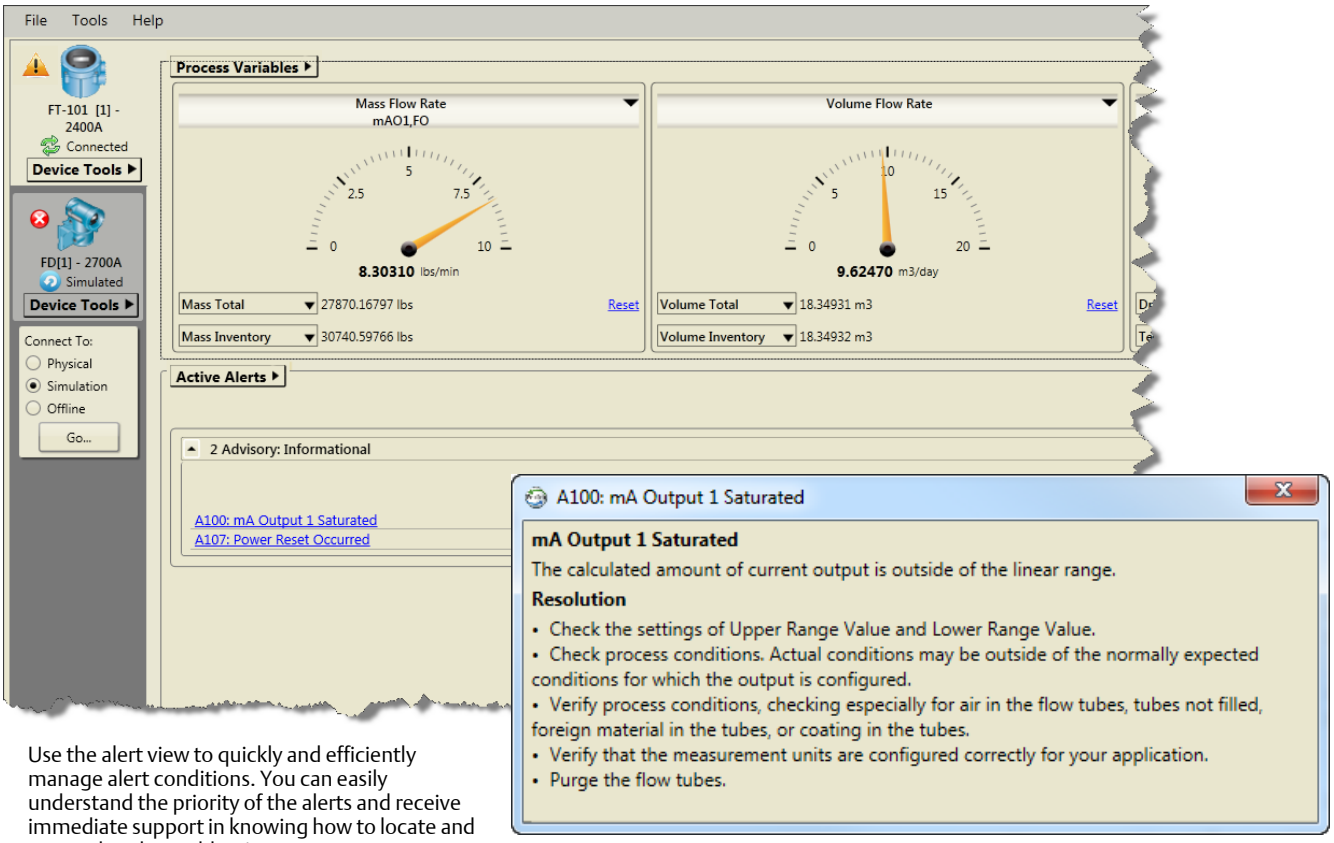
With ProLink III, you can quickly navigate to the settings you need because all configuration information is accessible from a single access point. ProLink III communicates configuration changes to the device, which allows you to evaluate the effect of your changes and pick the right settings for your process. Additionally, you can save and load configurations to/from a file on your computer, allowing convenient set up of one or multiple devices. This same feature also allows you to choose the data transferred between devices, and provides a convenient method for backing up your device configuration.



Easy access to alerts for viewing and acknowledgment

Alert conditions are displayed by ProLink III on the main screen when you first connect to a device. This first view into the process makes alert handling and troubleshooting a fast and efficient process. Alert information is separated by severity so that you can quickly understand and prioritize remedial actions.

In addition, you have one-click access to alert information to help you quickly locate and respond to the source of the problem.



Use the alert view to quickly and efficiently manage alert conditions. You can easily understand the priority of the alerts and receive immediate support in knowing how to locate and respond to the problem's source.

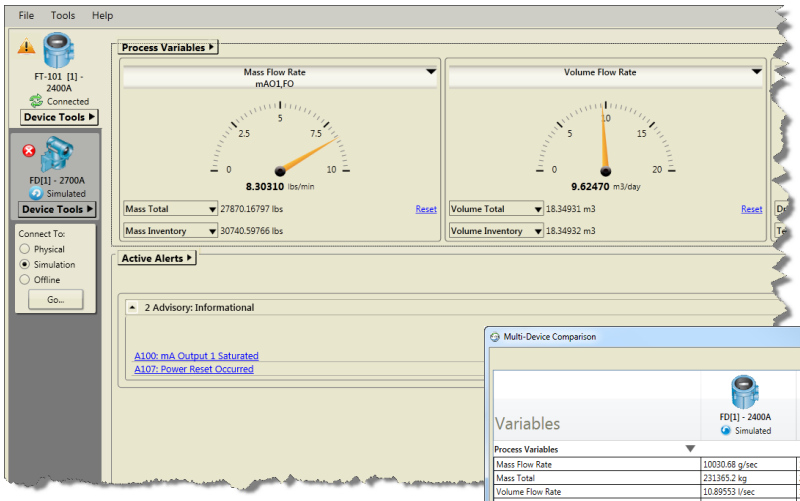
Simultaneously connect to multiple devices

You can simultaneously connect to multiple devices in your process. This feature allows you to more easily view your system performance and troubleshoot process conditions across more than one device. Additionally, ProLink III provides a multidevice comparison tool that allows you to view the outputs of each connected device from one main screen – making meter monitoring more efficient and less cumbersome than having to connect to each device separately. A common application of this feature is verifying the performance of a test meter against a known reference meter under the same process conditions.

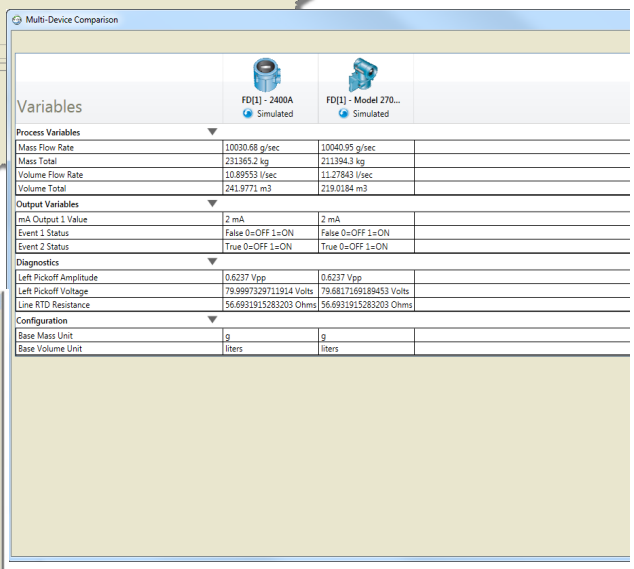
Monitor system performance with trending and data logging

The trending and data logging features in ProLink III help you to chart and graph selected process, diagnostic, and output variables. This look into time can help you understand what is really going on in the process so you can determine techniques for improving the productivity and quality of the process. You can save the data recorded by the data logging tool and view it in an external program (such as a spreadsheet application) to chart your data for further analysis. Or, the trending tool in ProLink III allows you to instantaneously view graphed key process variables for one or more devices.

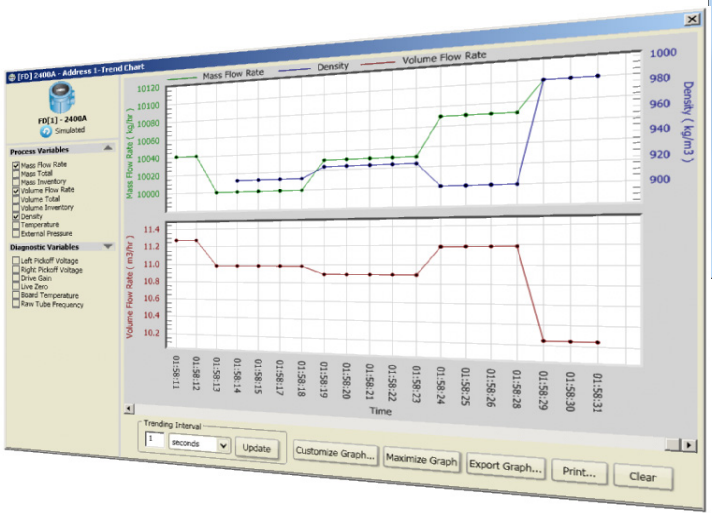
When connected to multiple devices, you can easily navigate between the different transmitters by selecting or clicking on the desired transmitter tab. The highlighted tab shows the active device.



Use the multi-device comparison tool to view and compare the process variables, status and configuration of the connected devices.



Use trending and data logging to track and monitor what is happening in your process.



Offline configuration tool to facilitate transmitter setup

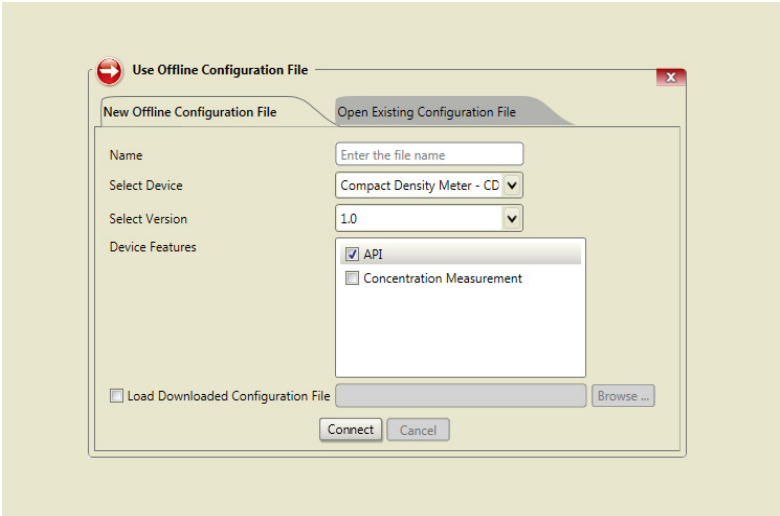
With offline configuration, you can create or edit a device configuration file without the need for a physical connection to your device. This feature allows efficient management of configurations before loading them to a connected device.

Device simulation for a quick view into meter capabilities

With device simulation, you can simulate any Emerson Flow device (Coriolis, Magnetic, Vortex, Density and Viscosity meters) to allow you to view and navigate the ProLink III interface without a true physical connection. This feature provides a convenient way to understand the software features and know how to navigate the interface when making a device connection.

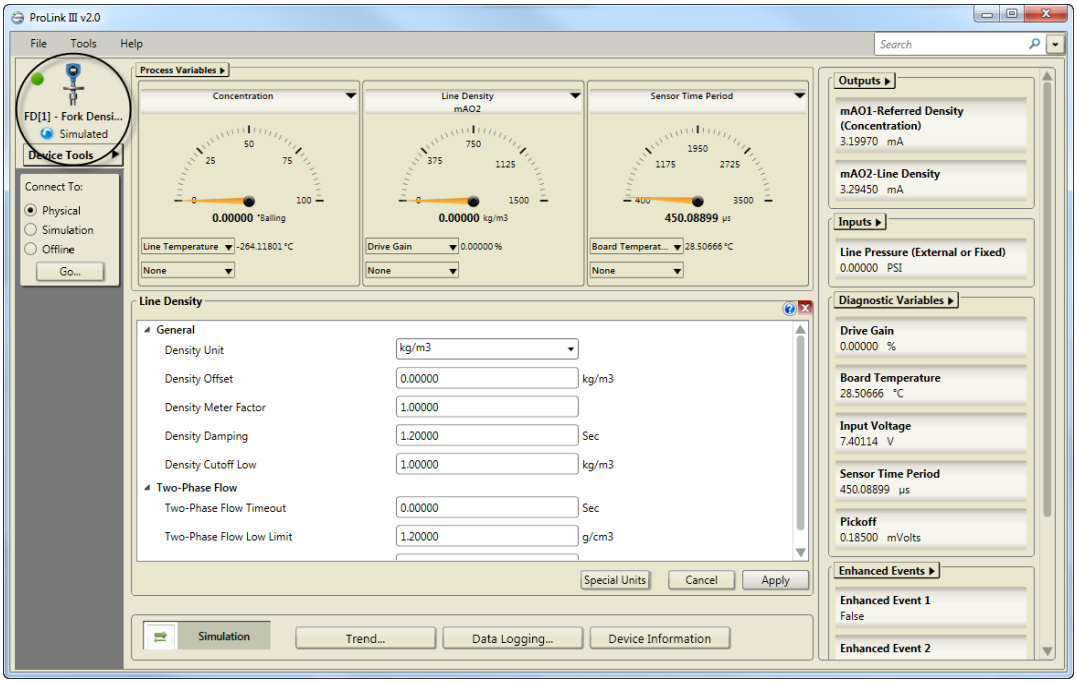
Creating an offline configuration

Choose to create an offline configuration and you can open an existing configuration file or create a new configuration file to more efficiently manage the set up of one or more devices.



Simulating a device

Device simulation allows you to simulate a connection to one or multiple devices. This feature provides a convenient way for you to navigate the ProLink III interface and understand the key features available.



Support for advanced applications

If the device has advanced functionality such as Smart Meter Verification, concentration measurement, API referral or petroleum measurement, discrete batching, or filling & dosing software installed, you can configure these options with ProLink III. The appropriate menus and menu options are automatically populated by ProLink III if the measurements and options are supported by the device.

Supported devices

Supported Micro Motion and Rosemount Flow devices
Model 1700 and Model 2700
Model 2400S
Model 2200S
MVD Direct Connect™
Model 1500 and Model 2500
9739 MVD
Model 5700
8600D
8712E
8712H
8732E
8800D
Series 3000 (MVD)
Model FMT
LF-Series
Compact Density Meter (CDM)
Gas Density Meter (GDM)
Specific Gravity Meter (SGM)
Fork Density Meter (FDM)
Fork Viscosity Meter (FVM)
Heavy Fuel Viscosity Meter (HFVM)

ProLink III installation kits

ProLink III can communicate serial data from your computer to the device's RS-485 or HART terminals. To help you make this connection, you can purchase a ProLink III installation kit that contains the appropriate converter or adapter for your connection. Micro Motion and Rosemount Flow recommend certain converters and adapters, which have been packaged into purchasable kits that can accompany ProLink III. Refer to the ordering information for more information.

Communication protocols

Protocol	Physical layer
HART	Bell 202
	RS-485
Modbus	RS-485
	Universal Serial Bus (USB)
Modbus/TCP	Ethernet

System requirements

Supported operating systems	
For either 32-bit (x86) or 64-bit (x64) processor: ■ Windows 10 ■ Windows 8 ■ Windows 7 ■ Windows Vista (with Service Pack 1 or later) ■ Windows XP (with Service Pack 3 or later)	
Hardware requirements	
Processor	■ Pentium® 4 or higher ■ 1GHz minimum, 2 GHz or higher recommended
RAM	■ 1 GB minimum, or 2 GB or higher recommended
Disk space	■ 1 GB for 32-bit (x86) Windows ■ 2 GB for 64-bit (x64) Windows
Video	■ 24-bit color graphics or higher ■ 1024 x 768 display minimum, 1280 x 800 or higher widescreen format preferred

Ordering information

Model	Product description
PLK	ProLink software
Code	**ProLink version**
2[1]	Upgrade from ProLink II to ProLink III Professional version
3	ProLink III software – Professional version
4[1]	Upgrade from ProLink III Basic to ProLink III Professional
9	ProLink III software – Basic version
Code	**License**
U	Single user license (one copy of ProLink III on a single computer)
Code	**Language**
E	English
F	French
G	German
M	Chinese
S	Spanish
R	Russian
P	Portuguese
Code	**Converter**
A	None. Available with all ProLink III upgrade codes.
V[2]	RS-232 to Bell 202 HART converter with integral cables
M[2]	RS-232 to RS-485 Modbus/HART converter with tester and cables
D[2]	Both RS-232 to Bell 202 HART converter and RS-232 to RS-485 Modbus/HART converter (options V and M)
E[2]	USB to Bell 202 HART converter with integral cables
F[2]	USB to RS-485 converter with integral cables
G[2]	USB to Bell 202 HART converter with integral cables and USB to RS-485 Modbus/HART converter and integral cables (options E and F)
H[2]	USB cable Type A (both ends) for 5700 transmitter
J[2]	USB cable Type A (both ends) for 5700 transmitter and USB to Bell 202 Hart converter with integral cables (options H and E)
K[2]	USB cable Type A (both ends) for 5700 transmitter and USB to RS485 converter with integral cables (options H and F)
L[2]	USB cable Type A (both ends) for 5700 transmitter and USB to Bell 202 Hart converter with integral cables, and USB to RS485 converter with integral cables (options H, E and F)
Typical model number: PLK 9 U E A	

(1) Requires completed Declaration of Ownership from prior version of ProLink, available as software upgrade only.
(2) Available only with ProLink III upgrade codes 3 and 9.

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