

Product Data Sheet

PS-00412, Rev. D

July 2006

ProLink® II

Transmitter configuration software tool



- Quick configuration for faster device commissioning
- Makes troubleshooting and diagnostics a snap
- View and log process data and meter status
- Easily download and save complete transmitter configurations
- Restore or configure transmitters from saved configuration files



ProLink® II transmitter configuration software tool

Transmitter configuration and data analysis

ProLink II delivers all the power and flexibility you need to configure and manage Micro Motion® transmitters and analyze process data. ProLink II provides an easy-to-use interface that allows you to have your Micro Motion meter up and running quickly no matter how complex your configuration needs are. For times when you need a more complete understanding of your meter's flow characteristics, ProLink II provides a window into your process so you can easily see all process variables, meter diagnostics, and alarm conditions.

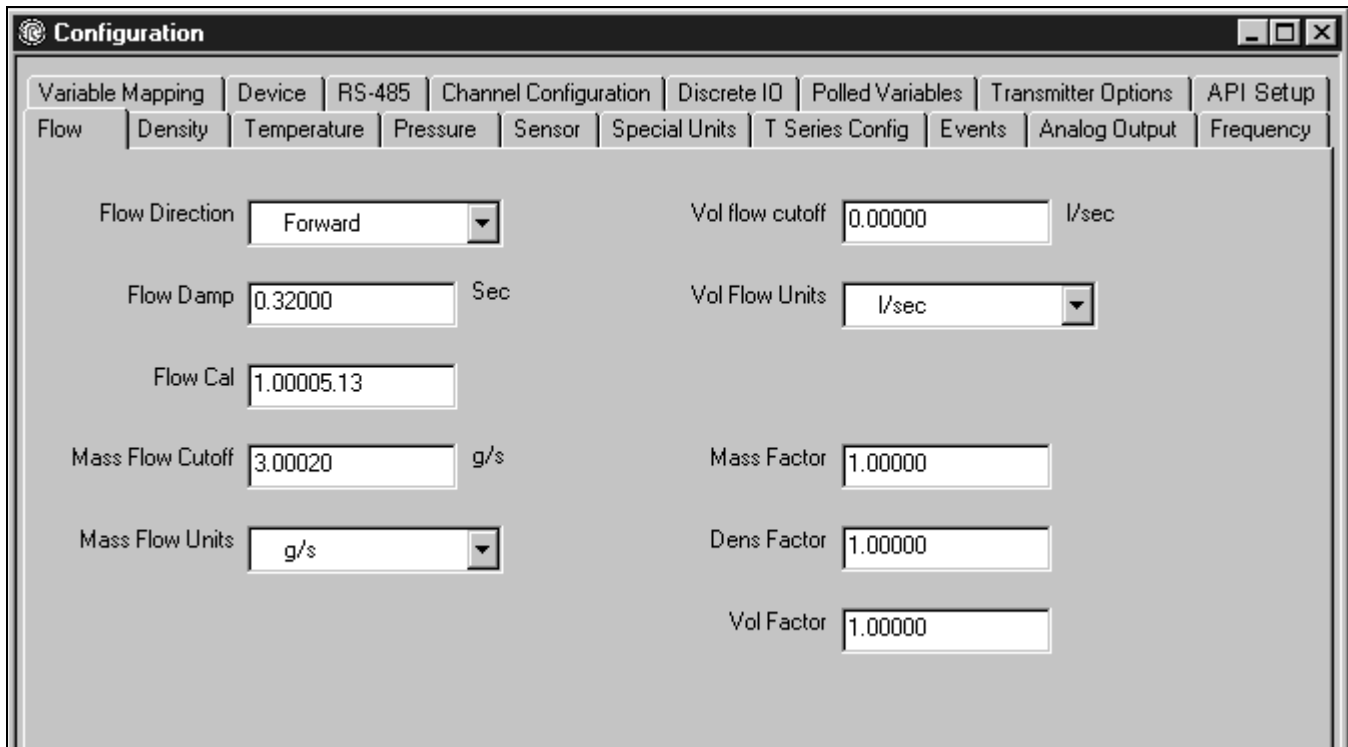
Making the connection

Making the initial transmitter connection is a simple matter of selecting the appropriate communication protocol, baud rate, parity, and port number. You can connect over a network or directly to the transmitter, using HART®, Modbus®, or (with Micro Motion MVD™ transmitters) the Service Port. ProLink II automatically recognizes your transmitter type and configuration, as well as any installed applications such as petroleum measurement.

The new 2.5 version of ProLink II supports the new Model 2400S transmitter and expanded functionality for Series 1000/2000 transmitters, including meter verification—a unique new way of documenting the structural integrity and performance of Micro Motion meters.

A full list of supported Micro Motion transmitters is provided on page 7.

ProLink II provides an easy-to-use interface.



Part of the AMS family

AMS ProLink® II Software

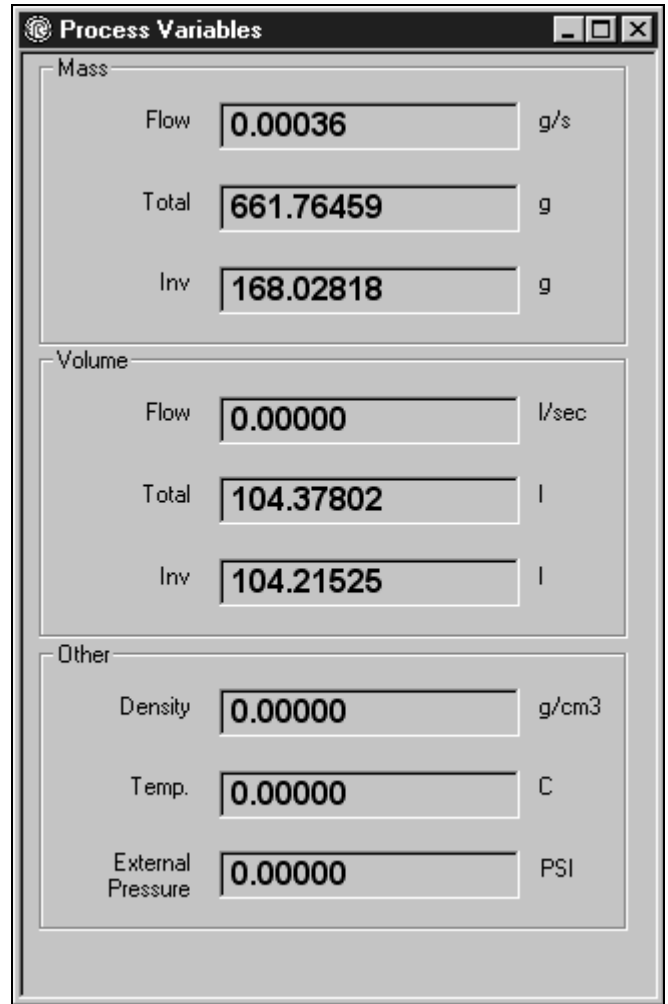
ProLink II is part of the AMS family of products from Emerson Process Management. Whether you are configuring a Micro

Motion transmitter with ProLink II or AMS, you will see similar menus and have the same information available. You can easily transfer knowledge between ProLink II and the AMS environment where you will also have the added benefits of integrated device configuration, calibration, status, an audit trail of device events, and an alert monitor to detect and report status conditions.

A window into your process

ProLink II provides a process variable window that shows you your key process information at a glance. It can be more convenient to view process variables in ProLink II as you investigate process issues rather than walking the line to view information from transmitters in the field. Regardless of how you have configured your transmitter's outputs, ProLink II will always display all the process variable information that the transmitter has available, including totalizer and inventory data.

ProLink II shows important process information at a glance.



Data Logger

The data logging feature⁽¹⁾ in ProLink II helps 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. Data logged with the data logging tool can be exported and viewed in an external program (such as a spreadsheet application) so that you can chart the data for further analysis.

Easy configuration

With ProLink II, you can quickly navigate to the settings you need, because all configuration information is collected into easy-to-use tabs.

Configuration changes are immediately communicated to the transmitter, which allows you to evaluate the effect of your changes and pick the right settings for your process.

ProLink II can help configure multiple transmitters easily. Using ProLink II, you can save a transmitter configuration to a plain-text file and conveniently send that same configuration to additional transmitters directly from the file. This same feature provides a convenient backup method for all your transmitters.

The Data Logger helps improve overall productivity.

The screenshot displays the 'Data Logger' software interface. At the top, there are three buttons: 'Save Settings', 'Load Settings', and 'Save Transmitter Configuration'. Below these are two main sections: 'Parameters' and 'Datalog Options'. The 'Parameters' section has tabs for 'Process Vars', 'Diagnostics', 'Output Vars', 'Favorites', and 'All Vars'. The 'Datalog Options' section includes 'File Type' (radio buttons for .txt, .csv, .dif), 'Filename' (input field with 'Log.csv'), and 'Update Rate' (input field with '500' and a dropdown for 'MILLISECONDS').

In the foreground, a 'Log.csv' window is open, showing a spreadsheet with the following data:

	A	B	C	D	E
1	Date	Time	Density (g/cc)	Mass Flow (lb/min)	Temperature (F)
2	2/17/2003	14:24:04	1	12.1	72.6
3	2/17/2003	14:24:04	1	12.2	72.6
4	2/17/2003	14:24:04	1	12.3	72.8
5	2/17/2003	14:24:04	1	15.6	72.7
6	2/17/2003	14:24:04	1	19.4	74.8
7	2/17/2003	14:24:04	1	23.9	73.9

⁽¹⁾ The data logging feature is not available for IFT9701, IFT9703, and RFT9712 transmitters.

Alarm handling

Alarm conditions are displayed by ProLink II on a single 3-tab screen to make alarm troubleshooting a fast and efficient process. Alarm information is separated by severity into critical, informational, and operational categories so that you can quickly locate the source of the problem and understand its priority instantly.

Transmitter troubleshooting

ProLink II can show you detailed information about the raw signals being processed by a transmitter, such as drive gain and pickoff values. This kind of information can be extremely helpful when troubleshooting transmitter behavior, which minimizes expensive downtime.

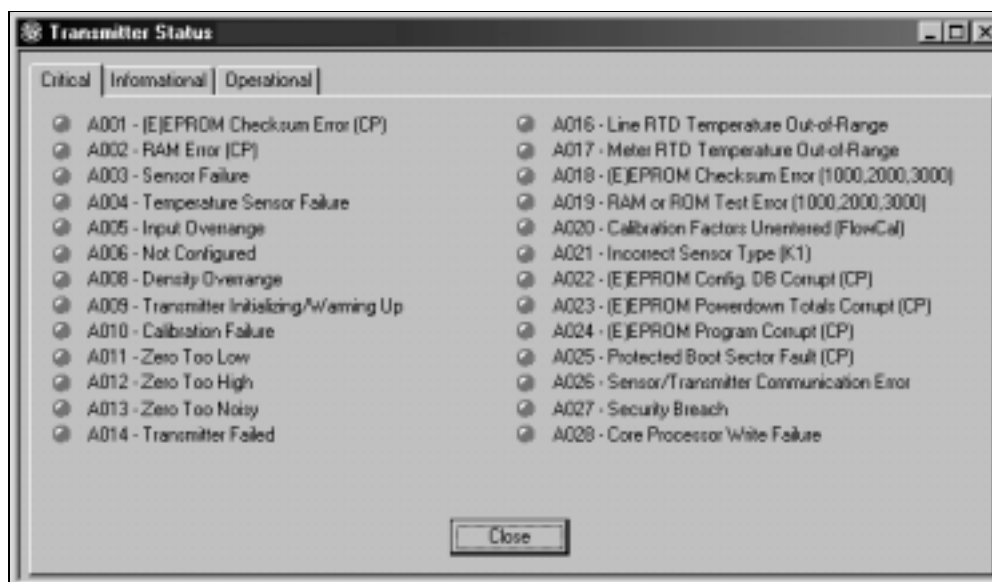
Support for advanced transmitter applications

If the transmitter has advanced functionality such as Enhanced Density, Petroleum Measurement, Discrete Batching, or Filling & Dosing software installed, ProLink II will allow you to view and configure these software options. The appropriate tabs will automatically appear on the ProLink II main screen if these options are supported by the transmitter.

ProLink II supports the discrete batching application on the Series 3000 transmitter and the filling an dosing application on the Model 1500 transmitter.

- Define batches and fill targets
- Configure outputs for valve and pump control
- Start, stop, pause, and resume the batches and fills
- Built-in overshoot compensation algorithms

Alarms are organized into three convenient tabs.



Pocket ProLink

ProLink is now available for the PocketPC platform. Pocket ProLink allows you to take the functionality of ProLink into the field easier than ever before. Equipped with an adapter, a PDA with Pocket ProLink can connect to and configure nearly all of the same transmitters as ProLink II but without the trouble of taking a laptop into the field. Pocket ProLink can even communicate wirelessly with Micro Motion Model 2400S Analog transmitters using the IrDA port.



Pocket ProLink running on a Pocket PC device

Accessories

ProLink II communicates serial data from your computer to the transmitter's RS-485 or 4–20 mA terminals. Several types of signal converters and adapters are available to help you make this connection (e.g., convert from an RS-232 to an RS-485 signal, or convert from a USB to an RS-232 signal).

Micro Motion-recommended converters and adapters can be ordered with ProLink II or Pocket ProLink. Refer to the Ordering Information on page 7.

ProLink II system requirements

The minimum system requirements for ProLink II are listed in the table below.

Operating system requirements

Windows 98 or 98SE with 32 MB RAM
Windows ME with 64 MB RAM
Windows NT 4.0 (Service Pack 6a) with 64 MB RAM
Windows 2000 (Service Pack 3) with 128 MB RAM
Windows XP (Service Pack 1) with 128 MB RAM

Hardware requirements

Processor	Pentium®-class 200 MHz or faster
RAM	(See operating system requirements)
Disk space	15 MB
Video	1024 x 768 with 256 colors
CD-ROM drive	4x or faster
Serial port or USB port	1 open port

Pocket ProLink system requirements

The minimum system requirements for Pocket ProLink are listed below.

Desktop requirements

A Windows computer capable of running ActiveSync
15 MB free disk space

PDA requirements

The following models are tested and supported:

- Compaq® iPAQ™ 3700, 3800, or 3900 series
- Hewlett-Packard® iPAQ™ 4000 or 5000 series
- Dell® Axim® X30, X50, X5 or X3i

OS	Windows CE v3.0
Ports	Serial port required
Video	High-resolution graphics support

Supported transmitters

The Micro Motion transmitters supported by ProLink II and Pocket ProLink are:

Supported transmitters

IFT9701⁰
 IFT9703⁰
 RFT9712⁰
 RFT9739
 Model 1700/2700
 Model 2400S
 Model 1500/2500
 LF-Series
 MVD Direct Connect™
 Series 3000 (MVD)

(1) ProLink II only.

Communication protocols

ProLink II can be used with the communication protocols listed in the table below.

Protocol	Physical layer
HART	Bell 202 RS-485
Modbus	RS-485

Ordering information

Model	Product description
PLK	ProLink II software
Code	ProLink II upgrade
0	ProLink II software (See system requirements on page 6)
1 ⁽¹⁾	Upgrade from ProLink to ProLink II
Code	License
U	Single user license (1 copy of ProLink II on a single computer)
Code	Language
E	English
F	French
G	German
Code	Accessories
A	None
V ⁽²⁾	Viator RS-232 to Bell 202 HART Converter with tester and cables
M ⁽²⁾	RS-232 to RS-485 Modbus/HART Converter with tester and cables
D	Both RS-232 to Bell 202 and RS-232 to RS-485 Converters (options V & M)
E ⁽³⁾	USB to Bell 202 HART Converter with tester and cables
F ⁽³⁾	USB to RS-485 Modbus or HART Converter with tester and cables
G ⁽³⁾	Both USB to Bell 202 and USB to RS-485 Converters (options E & F)
Typical model number: PLK 0 U E A	

- (1) Requires completed Declaration of Ownership for prior version of ProLink™; available as software upgrade only.
- (2) Bell 202 and RS-485 signal converters sold by Micro Motion prior to April 01, 2001 are not compatible with the current version of ProLink II. The signal converter must be capable of 2-wire half duplex asynchronous communication.
- (3) Only available with ProLink II upgrade option 0.

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