

Micro Motion Instrumentation Micro Motion, the pioneer in Coriolis technology and the world's leading producer of mass flow and density meters, offers classes at our factory, regional locations, or at your plant. Customized training at a customer's plant is a convenient, cost-effective means of training five to ten technicians. Also offering special technical training tools and materials for self-study.

Micro Motion Comprehensive Product Training

Course 2352 CEUs: 2.1

Overview

This 3-day class covers the installation, Configuration and calibration of the Micro Motion metering system. Students will learn the Series 1000/2000 transmitters using ProLink II, FC375 and the Series 3000 interface devices. Students will perform a master reset, use ProLink II to configure the Series 1000/2000, Perform a flow calibration, and solve troubleshooting problems. On the third day, based on student need, we will cover one or all of the following topics: RFT9739 transmitter, T-Series, R-Series, Series 3000 platform, and IFT9701/9703 transmitters.

Topics

- Principles of Operation
- Installation Recommendations
- Transmitter Configuration
- Sensor Calibration
- Extensive Troubleshooting
- Flowloop Demonstrations
- Plant Tour

Price \$1,200*

Travel to the Micro Motion Training Center, Boulder, CO. To view training classes offered at Micro Motion's World Headquarters, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/fielddevices/MicroMotion/Page/2352.aspx>

For additional information on Micro Motion classes, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/Pages/EducationalServices.aspx>

*** Save \$100 on 2381 if you take course 2352 the same week!**



Micro Motion Modbus Digital Communication

Course 2381 CEUs: .7

Overview

This 1-day course is appropriate for personnel who have any of the following responsibilities:

- installing a Micro Motion transmitter on an RS-485 network
- configuring, calibrating, operating, or troubleshooting a Micro Motion transmitter using Modbus protocol
- setting up a Modbus host or PLC to communicate with a Micro Motion transmitter
- writing programs that use Modbus protocol to communicate with Micro Motion transmitters

Students will learn the Modbus communications model, including RS-485 network requirements, memory structure, datatypes, functions, character framing, and message framing. Students will use Micro Motion's Modbus documentation set and a Modbus tool to configure transmitter features, read process data, reset totals, read and acknowledge alarms, analyze diagnostic registers, zero the flowmeter, perform a loop test, and manage a batch process.

Prerequisites Students should have completed Micro Motion Comprehensive Product Training, Course 2352, or have equivalent knowledge or experience. No prior knowledge of digital communications is required.

Topics

- Series 2000 and 3000 Digital Transmitters
- Installation Recommendations
- MODBUS Only
- Flowloop Simulations using the DeltaV System and other PLCs
- Extensive Troubleshooting

Price \$600

Travel to the Micro Motion Training Center, Boulder, CO. To view training classes offered at Micro Motion's World Headquarters, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/fielddevices/MicroMotion/Page/2381.aspx>

For additional information on Micro Motion classes, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/Pages/EducationalServices.aspx>

Micro Motion Sensors and RFT9739 Transmitter

Course 2351 CEUs: .7

Overview

This 1-day course covers the installation, configuration and calibration of the Micro Motion ELITE, F-Series, and D sensors, RFT9739 transmitter and peripherals. Students who complete this course will be able to:

- correctly install, configure and calibrate the flowmetering system
- perform troubleshooting and diagnostic procedures

Prerequisites

Knowledge of basic flow fundamentals.

Topics

- Principles of Operation
- Installation Recommendation
- Transmitter Configuration
- Sensor Calibration
- Troubleshooting

Price \$675

Travel to the Micro Motion Training Center, Boulder, CO. To view training classes offered at Micro Motion's World Headquarters, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/fielddevices/MicroMotion/Page/2351.aspx>

For additional information on Micro Motion classes, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/Pages/EducationalServices.aspx>

To enroll in Micro Motion courses please call 800-338-8158 or 641-754-3771. For additional contact information refer to the appropriate contact on page 107. Updated dates & locations are available on our website at www.emersonprocess.com/education.

Advanced Micro Motion Sensors and RFT9739 Transmitter

Course 2357 CEUs: .7

Overview

This 1-day course builds on the basic RFT9739 knowledge. It provides additional hands-on training and experience in a classroom environment.

Prerequisites Course 2352 or 2351 (1-day RFT9739 course) or equivalent.

Topics

- Application Issues and Tools
- Transmitter interfaces (HC275 or ProLink II) with optional Hart/Modbus Multipdropping
- Flow Damping, Flow Cutoff and Density Limits
- Zeroing Issues

Price \$675

Offsite, Local Training Classes - To view training classes offered in your area at an Emerson Process Management Office or local hotel, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/fielddevices/MicroMotion/Page/2357.aspx>

Micro Motion Series 1000/2000

Course 2358 CEUs: .7

Overview

This 1-day course covers the installation, configuration, and calibration of Micro Motion sensors with the Series 1000/2000 transmitters and peripherals. This course includes hands-on exercises.

Topics

- Principles of Operation
- Installation Recommendations
- Transmitter Configuration
- Sensor Calibration
- Troubleshooting

Price \$675

Offsite, Local Training Classes - To view training classes offered in your area at an Emerson Process Management Office or local hotel, please visit:

<http://www2.emersonprocess.com/en-US/brands/edservices/fielddevices/MicroMotion/Page/2358.aspx>

Onsite, At Your Facility/Plant

Class can also be delivered at your plant. Contact your Local Micro Motion Sales Representative to discuss your needs or the North American Response Center at 800-654-7768.

