



Training to Fit Your Needs

Emerson's certified trainers understand your industry, and bring our deep product expertise into the classroom. With ready access to the collective Emerson knowledge and talent pool, your local trainer can provide a precise answer to your most complex questions.

We invite you to attend one of our Rosemount™ product training courses. These courses use lecture and hands-on workshops to teach students to properly mount, install, configure, calibrate, troubleshoot, and maintain a variety of products.



Resources



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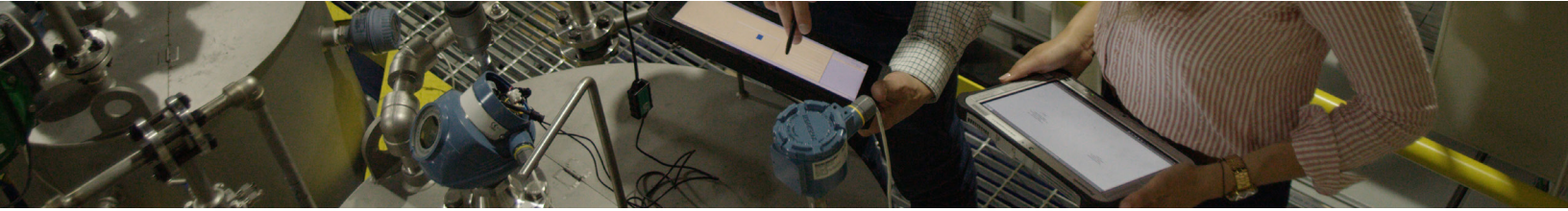
ENSURE TIME SPENT IN TRAINING IS TIME WELL SPENT

Emerson's certified trainers have the following qualifications:

Experienced with field expertise in each specific Rosemount product

Educated through rigorous technology coursework and certification processes

Certified on Rosemount products and trained in adult learning techniques



Rosemount Automation Solution Measurement Instrumentation - Introduction - 2320

Overview:

This three-day course explains the measurement technology for Pressure, Temperature, Flow, and Level instruments. It will also emphasize proper installation of these instruments. Those who complete this class will be able to:

Topics:

- 4–20mA Electrical Loops
- Pressure Sensors
- Pressure Instruments
- Temperature Sensors
- Temperature Instruments
- Analog Transmitters
- Smart Transmitters
- HART® Communication Protocol
- Field Communicator
- DP Flow
- Flow Technology Overview
- DP Level
- Electronic Remote Sensors
- Guided Wave Radar Level Instruments
- Non-Contacting Radar Level Instruments
- Self-Organizing Wireless Networks

Prerequisites:

Students should have experience with process instrumentation and measurements.

[View Course Schedule Here >](#)

Rosemount Automation Solution Pressure & Temperature Products - 2326

Overview:

This four-day course explains how pressure and temperature transmitters function and how they are installed and calibrated. It emphasizes installation, proper set-up, and calibration of Analog and HART Pressure and Temperature Transmitters. The course uses lectures and labs to teach the students. Students who complete this course will be able to:

- Correctly perform installation and setup procedures
- Properly configure transmitters
- Properly calibrate transmitters
- Perform basic troubleshooting

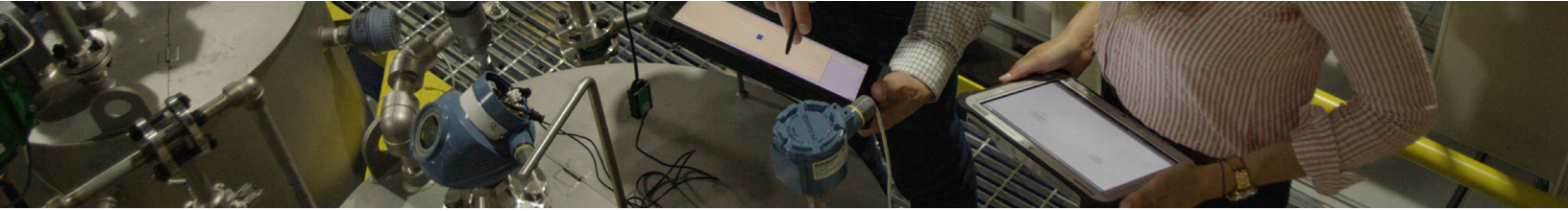
Topics:

- Basic 4–20mA Loop Setup
- Pressure Sensors
- Temperature Sensors (TC, RTD)
- Analog Transmitters (1151)
- HART Communication
- Field Communicator
- Pressure Transmitters
- Temperature Transmitters
- Using AMS Device Manager to Configure and Calibrate Transmitters
- Installation
- Configuration
- Calibration
- Troubleshooting

Prerequisites:

Some experience in instrument calibration, maintenance, installation, and operation would be helpful.

[View Course Schedule Here >](#)



[Rosemount Automation Solutions DP Flow Products - 2327](#)

Overview:

This two-day course explains how DP flow instruments function and how they are installed and calibrated. It emphasizes installation, proper setup, and calibration/verification of DP flow instruments. The course uses lectures and labs to teach the students. Students who complete this course will be able to:

- Correctly install, configure, calibrate, MultiVariable DP Flow Transmitters
- Perform DP Flow troubleshooting

Topics:

- Basic DP Flow Fundamentals
- DP Flow Sizing Calculations
- MultiVariable Flow Transmitters
- AMS Device Manager with Engineering Assistant SNAP-ON™ (3095)
- Engineering Assistant for 3051SMV
- Field Communicator
- Test Equipment Selection
- Installation
- Configuration
- Calibration /Verification
- Troubleshooting DP Flow Installations

Prerequisites:

Some experience in instrument calibration/ verification, maintenance, installation, and operation would be helpful.

[View Course Schedule Here >](#)

[Rosemount Pressure, Temperature & MultiVariable Flow Transmitters - 2329](#)

Overview:

This two-day course uses lectures and labs to maximize the hands-on experiences and teach the student how to install, configure, calibrate, troubleshoot, and maintain the Rosemount 3051, 3144P, and 3051SMV Transmitters.

Topics:

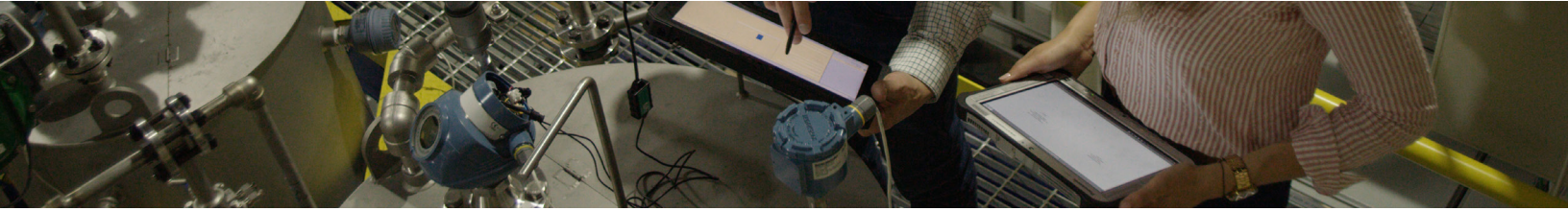
- Field Communicator Operation
- 3051 Pressure Transmitter Installation, Configuration, Calibration, and Troubleshooting
- 3144P Temperature Transmitter Installation, Configuration, Calibration, and Troubleshooting
- 3051SMV MultiVariable DP Flow Transmitter Installation, Configuration, Calibration, and Troubleshooting

Note: Students must attend both days. Reference course 2305, 2321, and 2308MV for further details.

Prerequisites:

Students should have experience with process instrumentation and measurements.

[View Course Schedule Here >](#)



3051S Multi-Variable Flow Transmitter - 2310

This course is designed for those individuals responsible for the installation, configuration, calibration and maintenance of the Rosemount 3051SMV Transmitter.

Overview:

This 1-day course uses lecture and labs to maximize the hands-on experience and teach the student how to install, configure, calibrate and maintain the Rosemount 3051SMV Flow Transmitter. Students who complete this course will:

- Identify transmitter parts and explain their functionality
- Explain the principles of operation of the transmitter
- Configure and test using the Field Communicator, AMS, and the 3051SMV Engineering Assistant software
- Configure the compensated flow parameters using the 3051SMV Engineering Assistant Software
- Properly install & troubleshoot the 3051SMV transmitter

Topics:

- DP Flow Fundamentals
- Overview and Principles of Operation
- Test Equipment Selection
- Temperature Sensor Wiring
- Bench Testing the Smart Transmitters
- 3051SMV Engineering Assistant Software
- Operation of the Field Communicator and AMS Device Manager
- Digital Trims/Calibration
- Installation and Start-Up
- Troubleshooting and Maintenance

Prerequisites:

Knowledge of basic Pressure, and DP Flow fundamentals & instrumentation.

[View Course Schedule Here >](#)

Rosemount 3051C Pressure and 3144P Temperature Transmitter - 2398

This condensed course is designed for those individuals responsible for the installation, configuration, calibration and maintenance of the Rosemount 3051C Pressure, and 3144P Temperature Transmitters.

Overview:

This 1-day course uses lectures and labs to teach the student how to install, configure, calibrate and maintain the Rosemount 3051 Pressure Transmitter, and 3144P Temperature Transmitters.

The student will also learn the operation of the Field Communicator. Students will:

- Explain the differences between Smart & Analog transmitters
- Identify transmitter parts and functionality
- Explain the principles of operation of the 3051C & 3144P transmitters
- Configure, calibrate and test the 3051C & 3144P using the Field Communicator
- Properly install & troubleshoot the 3051 & 3144P Smart transmitters

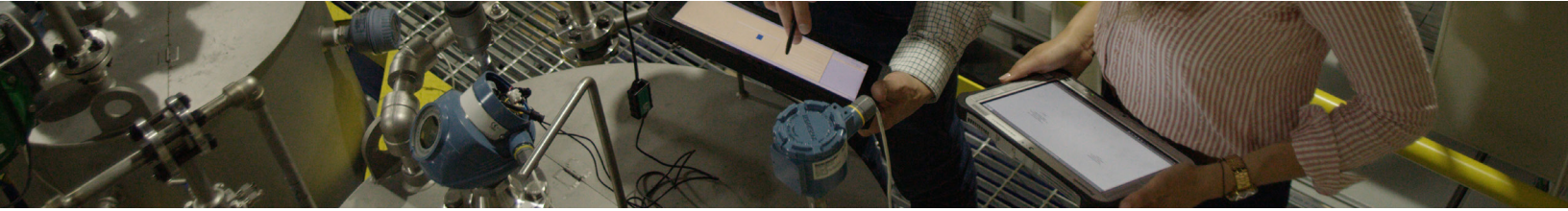
Topics:

- Smart and Analog Transmitters
- Overview and Principles of Operation
- Test Equipment Selection
- Bench Testing the 3051C & 3144P Smart Transmitter
- Field Communicator Operation
- Digital Trims/Calibration
- Installation and Start-up
- Troubleshooting and Maintenance

Prerequisites:

Knowledge of basic pressure fundamentals and pressure instrumentation.

[View Course Schedule Here >](#)



[Rosemount Automation Solutions Level Products - 2333](#)

Overview:

This three-day course explains how level instruments function and how they are installed and calibrated/verified. It emphasizes installation, proper setup and calibration/verification of level instruments. The course uses lectures and labs to teach the students. Student who complete this course will be able to correctly install, configure, calibrate and verify, perform maintenance and troubleshooting with:

- DP Level Transmitters
- Guided Wave Radar Transmitters
- Non-contacting Radar Transmitters
- Radar software for configuration and troubleshooting

Topics:

- DP Level Fundamentals
- Electronic Remote Sensors
- Radar Applications
- Radar Instruments
- Radar PC Software
- Field Communicator
- Test Equipment Selection
- Installation
- Configuration
- Calibration /Verification
- Troubleshooting

Prerequisites:

Experience in instrument calibration, maintenance, installation, and operation would be helpful.

[View Course Schedule Here >](#)

[Rosemount 5300 Guided Wave Radar Level Transmitter - 2337](#)

Overview:

This one-day course uses lecture and labs to maximize the hands on experience and teach the student how to install, configure, troubleshoot and maintain the Rosemount 5300 High Performance GWR Transmitters. Students who complete this course will be able to:

- Explain the principles of operation of the 5300 GWR
- Identify 5300 GWR parts and explain their functionality
- Understand the available probe options and when each should be used
- Properly install and wire the 5300 GWR
- Configure and test the 5300 GWR
- Understand how to setup the 5300 GWR to work in different applications
- Properly troubleshoot the 5300 GWR Transmitter and Installation using Radar Master software

Topics:

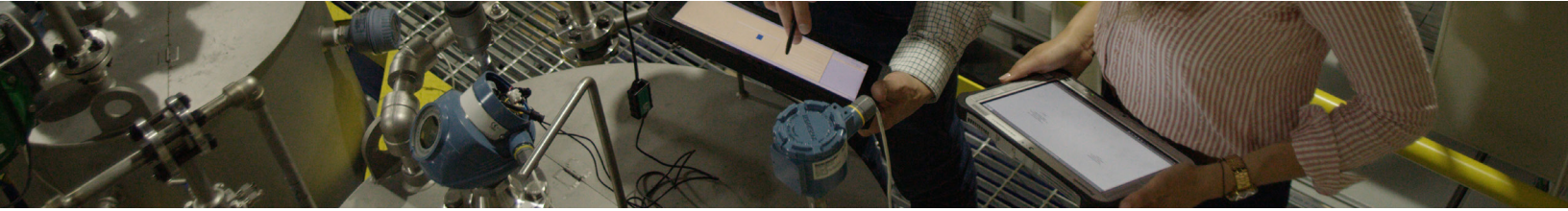
- 5300 Overview and Principles of Operation
- Installation of the 5300 GWR
- Wiring the 5300 GWR
- Configuration of the 5300 GWR
- Bench Testing the 5300 GWR
- Field Communicator Operation
- AMS Device Manager Operation
- Radar Master Software Operation
- Troubleshooting and Maintenance
- Tank & Application Troubleshooting and Echo
- Handling Using Radar Master Software

Note: See Course 2333: Rosemount 5300 High Performance Guided Wave Radar HART Level Transmitter for the three-day option.

Prerequisites:

Knowledge of basic level fundamentals and instrumentation.

[View Course Schedule Here >](#)



[5400 Non-Contacting & 5300 Guided Wave Radar Level Transmitters - 2396](#)

Overview:

This condensed course is designed for those individuals responsible for the installation, configuration, calibration/verification and maintenance of the Rosemount Model 5400 Non Contacting Radar & 5300 Guided Wave Radar (GWR) HART Level Transmitter.

This 1-day course uses lecture and labs to maximize the hands on experience and teach the student how to install, configure, troubleshoot and maintain the Rosemount 5400 & 5300 Series HART Radar Level Transmitters. Students who complete this course will be able to:

- Explain the principles of operation of the 5400 & 5300 radar
- Identify 5400 & 5300 parts and explain their functionality
- Properly install and wire the 5400 & 5300 Radar
- Configure and test the 5400 & 5300 Radar
- Properly troubleshoot the 5400 & 5300 Radar transmitter and installation using Radar Master software

Topics:

- 5400 & 5300 Overview/Principles of Operation
- Installation of the 5400 & 5300 Radar
- Configuration of the 5400 & 5300 Radar
- Bench Testing the 5400 & 5300 Radar
- Field Communicator Operation
- AMS Device Manager Operation
- Radar Master Software Operation
- Calibration, Verification and Adjustments
- Troubleshooting and Maintenance
- Tank & Application/Probe Troubleshooting and Echo Handling Using Radar Master Software

Prerequisites:

Knowledge of basic level and interface fundamentals and instrumentation.

[View Course Schedule Here >](#)

[Rosemount Wireless Self Organizing Network with Host Integration - 2375](#)

Overview:

This two-day course explains how Self Organizing Wireless Networks function and how they are installed, setup, configured, and integrated. It emphasizes planning, proper installation and startup, configuration, maintenance, and integration. The course uses lectures and labs to maximize the hands-on experience and teach the students.

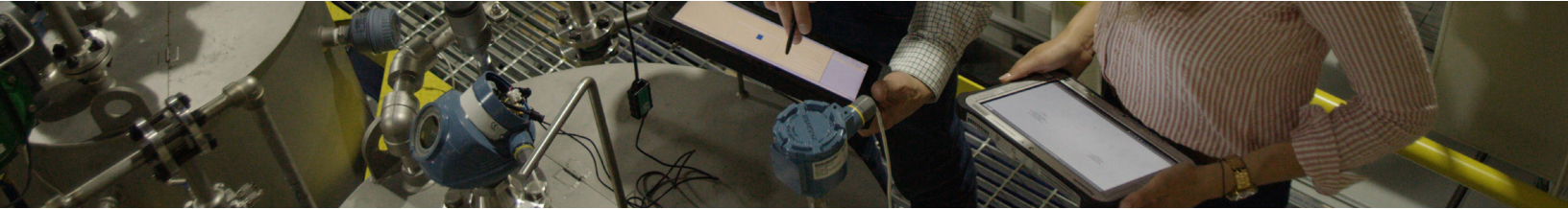
Topics:

- How Self Organizing Networks Function
- Self Organizing Networks Best Practices
- Network Components
- 1420 & 1410 Installation and Setup
- Network Parameters
- Wireless Transmitters Installation, Configuration, Maintenance, and Calibration
- THUM™ Adapter Installation, Wiring, and Configuration
- Integrating and Operating AMS Device Manager with the 1420 Wireless Gateway
- Operation of AMS Wireless SNAP-ON
- Modbus® Serial Integration
- Modbus TCP Integration
- OPC Integration

Prerequisites:

Some experience in Wireless Networks and Host integration would be helpful.

[View Course Schedule Here >](#)



[AMS Device Manager with Rosemount HART Instruments - 7021](#)

Overview:

Learn the installation, calibration, maintenance, and troubleshooting of measurement instrumentation using AMS Device Manager. This three-day course teaches maintenance and calibration of measurement devices using AMS Device Manager software to communicate and track information. The student will learn how pressure and temperature transmitters function, are installed, and calibrated using AMS Device Manager.

Topics:

- Configuring and Using AMS Device Manager
- Viewing and Modifying Devices
- Creating a Plant Database Hierarchy and Adding Devices
- AMS Device Manager Browser Functions
- Audit Trail
- HART Communication
- HART Transmitters (3051C, 3144P)
- Test Equipment Selection
- Transmitter Installation and Configuration
- Transmitter Calibration
- AMS Calibration Assistant
- Intelligent Calibrators
- Transmitter Troubleshooting

Prerequisites:

Experience in instrument calibration, maintenance, installation, and operation would be helpful.

[View Course Schedule Here >](#)

Registration Information

To register online: Visit [MyTraining](#) website or go to www.Emerson.com/Education

To register by phone: Call Emerson Educational Services at 1-800-338-8158

For additional questions or a list of courses: Visit www.Emerson.com/Education

Purchase order or credit card required for enrollment.

Credit cards preferred: Most major credit cards accepted.



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**Please Include on PO: Student's Name, Course Number
Emerson's Payment Terms (Net 30 Days), and Course
Tuition Price**

Please email all purchase orders to
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Please Note: To complete the registration process, attendees must register through MyTraining or call the registration center (800-338-8158). Only receipt of purchase order guarantees a seat.

Cancellations

You may cancel your reservations up to 14 calendar days prior to the start of the course without incurring a cancellation fee. 50 percent of the full tuition will be charged for cancellations received during the 14 days prior to the start of the course, and full tuition will be charged for failure to attend without cancelling. Substitutions are accepted until the first day of class. Scheduled courses may be cancelled due to low enrollment.