

# SCADA and RTU Hands-On Training

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## ROC/FloBoss™ for Production Applications, Course 1001

This Vinson Process Controls Company course is for technicians, engineers, operators, and others responsible for installing, configuring, monitoring, troubleshooting, and gathering data using ROCLINK 800 and Fisher® Flow Computers. The primary focus of this course is to provide comprehensive experience in gas production installations.

### Overview

This 3-1/2 day course provides fundamental skills necessary to:

- Install and correctly terminate power and grounding and signal wiring to a Fisher Flow Computer on production settings
  - Configure, calibrate, and troubleshoot a Fisher Flow Computer for AGA measurement and control for gas production
  - Install, configure, and optimize Production Applications used to control production wells
  - Gather, analyze, and store historical data and configuration files
- This course provides maximum hands-on time with Fisher 809 Flow Computers and ROCLINK800 software.

**Prerequisites** A good working knowledge of Microsoft Windows and a general concept of gas measurement and production.

### Topics

- ROC Hardware
- I/O Modules and Wiring
- Sensors, Wiring and Addressing
- Configuration: I/O, AGA, History
- Calibration
- Saving / Reporting / Restoring
- PID Loop Configuration
- LCD
- Configuration, Implementation, Optimization, and Reporting for Production Applications

### Location

Lewisville, TX  
Odessa, TX  
Farmington, NM

### 2010 Course Dates

1/11, 4/12, 7/12, 10/11  
2/22  
4/26, 8/13

**Price** \$1,275 (Lewisville, TX) USDL per student  
\$1,375 (Odessa, TX & Farmington, NM) USDL per student

## ROC/FloBoss™ for Measurement & Control, Course 1002

This Vinson Process Controls Company course is for technicians, engineers, operators, and others responsible for installing, configuring, monitoring, troubleshooting, and gathering data using ROCLINK 800 and Fisher flow Computers. The primary focus of this course is to provide comprehensive experience in gas pipeline measurement installations.

### Overview

This 3-1/2 day course provides fundamental skills necessary to:

- Install and correctly terminate power and grounding and signal wiring to a Fisher Flow Computer on transmission settings
  - Configure, calibrate, and troubleshoot a Fisher Flow Computer for AGA measurement and control of multiple meter run settings
  - Install, configure, and optimize Gas Chromatograph, Run Switching, and Logic Interfaces
  - Gather, analyze, and store historical data and configuration files
- This course provides maximum hands-on time with Fisher 809 Flow Computers and ROCLINK800 software.

**Prerequisites** A good working knowledge of Microsoft Windows and a general concept of gas measurement and control.

### Topics

- ROC Hardware
- I/O Modules and Wiring
- Sensors, Wiring, and Addressing
- Configuration: I/O, AGA, History
- Calibration
- Saving / Reporting / Restoring
- PID Loop Configuration and LCD
- Installation, Configuration, and Troubleshooting for Gas Chromatograph Interfaces
- Configuring Run Switching and Cause and Effect Logic Tables for Gas Control Manager

### Location

Lewisville, TX  
Odessa, TX

### 2010 Course Dates

2/8, 5/10, 8/9, 11/8  
6/21

**Price** \$1,275 (Lewisville, TX) USDL per student  
\$1,375 (Odessa, TX) USDL per student

**Course Location:** Vinson Process Controls Company, LP [Lewisville, TX](#) [Odessa, TX](#) [Farmington, NM](#)

**Course Times/Meals:** Courses 1001, 1002 & 2001 will begin at 1:00 PM Monday and finish 4:00 PM on Thursday. Lunch will be provided Tuesday through Thursday. Course 3001 will begin on Monday at 1:00 PM and finish 4:00 Tuesday. Lunch will be provided on Tuesday.

**To Enroll or for More Information Contact:** Wendy Horton at (972) 389-5754 or [wendy.horton@vinsonprocess.com](mailto:wendy.horton@vinsonprocess.com) or visit our website at [www.vinsonprocess.com/Vinson/Contact\\_Us/training\\_request.html](http://www.vinsonprocess.com/Vinson/Contact_Us/training_request.html). ROC 809 Flow Computers will be used in the training furnished by Vinson Process Controls. Upgrades to ROCLINK800 will be available to licensed users if required. Laptop and LOI cable to be furnished by each student.

**Registration Deadline/Payment Information:** 2 weeks prior to course start date. Purchase order/payment is required at time of enrollment, credit cards accepted.

**Cancellations:** You may cancel your reservation up to 14 days prior to the start of the course without incurring a cancellation charge. Limited enrollment makes it necessary to charge 50% of the full tuition for cancellations received during the 14 days prior to start of the course and full tuition for failure to attend without cancelling. Substitutions are accepted until the first day of class. Vinson Process Controls Company, LP reserves the right to cancel or reschedule courses due to insufficient students with a full refund to registered students. Any necessary cancellations will be announced a minimum of 72 hours prior to the start of class.

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## Advanced Applications & SCADA Integration, Course 2001

This Vinson Process Controls Company course is for technicians, engineers, operators, and others responsible for advanced control applications and SCADA communications and integration. The primary focus of this course is to provide comprehensive experience in advanced control for multiple applications and integration into SCADA.

### Overview

This 3-1/2 day course provides fundamental skills necessary to:

- Configure advanced PID control for both analog and discrete control applications
- Build specialized logic control using Function Sequence Tables (FST)
- Understand communication signals, ROC, and Modbus Protocols
- Using ROC or Modbus efficiently in a communication system and SCADA
- Advanced programming skills using DS800 or Cause and Effect

This course provides maximum hands-on time with Fisher 809 Flow Computers and ROCLINK800 software.

**Prerequisites** Courses 1001 or 1002, basic understanding of control and operational standards.

### Topics

- Advanced PID Control: Analog/Discrete, Over Ride Control
- Function Sequence Tables: Designing, Implementing, and Saving
- Communications, including:
  - Serial Signals
  - ROC Protocol, using Opcodes and Opcode Tables
  - Modbus Protocol, Master and Slave Modes
- DS 800 Introduction and Usages
- Advanced Techniques of Cause and Effect
- Specialty End Devices and Their Signals
- Smart Remote Automation: Benefits, Usages, Live Demo

**Location**  
Lewisville, TX

**2010 Course Dates**  
3/8, 6/7, 9/13

**Price** \$1,275 USDL per student

## Advanced Well Control using Production Manager, Course 3001

This Vinson Process Controls Company course is for operators, production foremen, well engineers and instrument technicians responsible for configuring and tuning artificial lift systems for gas wells and tank measurement and inventory. The primary focus of this course is to provide comprehensive experience in gas well automation and control.

### Overview

This 1-1/2 day course provides the fundamental skills necessary to:

- Install Production Manager software and license keys
- Configure Production Manager using different types of artificial lift technology
- Tune artificial lifts using Production Manager software
- Configure Tank Management
- Monitor lifts and tank production

This course provides maximum hands-on time with Fisher 809 flow computers and Roalink 800 software

**Prerequisites** A good working knowledge of Microsoft Windows and a general concept of gas measurement and production.

### Topics

- ROC Hardware
- I/O Modules and Wiring
- Sensors, Wiring and Addressing
- Configuration: I/O, AGA, History
- Calibration
- Saving / Reporting / Restoring
- PID Loop Configuration
- LCD
- Configuration, Implementation, Optimization, and Reporting for Production Applications

**Location**  
Lewisville, TX

**2010 Course Dates**  
2/15, 4/19, 6/14, 8/16, 10/18

Note: This course will start on Monday at 1:00 PM and finish 4:00 Tuesday. Lunch will be provided on Tuesday.

**Price** \$600 USDL per student

**Course Location:** Vinson Process Controls Company, LP [Lewisville, TX](#) [Odessa, TX](#) [Farmington, NM](#)

**Course Times/Meals:** Courses 1001, 1002 & 2001 will begin at 1:00 PM Monday and finish 4:00 PM on Thursday. Lunch will be provided Tuesday through Thursday. Course 3001 will begin on Monday at 1:00 PM and finish 4:00 Tuesday. Lunch will be provided on Tuesday.

**To Enroll or for More Information Contact:** Wendy Horton at (972) 389-5754 or [wendy.horton@vinsonprocess.com](mailto:wendy.horton@vinsonprocess.com) or visit our website at: [www.vinsonprocess.com/Vinson/Contact\\_Us/training\\_request.html](http://www.vinsonprocess.com/Vinson/Contact_Us/training_request.html). ROC 809 Flow Computers will be used in the training furnished by Vinson Process Controls. Upgrades to ROCLINK800 will be available to licensed users if required. Laptop and LOI cable to be furnished by each student.

**Registration Deadline/Payment Information:** 2 weeks prior to course start date. Purchase order/payment is required at time of enrollment, credit cards accepted.

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