

Guidant Measurement Factory Training Schools

2026 Course Offerings Brochure



About Us

Here at Guidant Measurement, our training schools reflect the experience and knowledge gained working nearly 100 years in the oil and gas industry. Our workshops demonstrate proper use of equipment and simulators, with hands-on in-depth experience. This enables us to ensure you are working with comfort and understanding in the operation and maintenance given.

Andrea Matlak
Content & Promotional Marketing Manager

Why Choose Us?

- 1** Practical training combined with the Best Measurement Practices founded by our Aftermarket Group, offer you an exceptional experience in an environment that is sure to deliver knowledgeable results.
- 2** Our training schools provide you with quality instruction taught by the same measurement specialists that design, engineer, and service our equipment.
- 3** The skill sets that are gained in our courses promote the knowledge foundation and enhanced students' practical expertise, resulting in employees who can autonomously install, parameterize, maintain, and repair your system.



What We Offer

The need for training has never been more important than it is today. Register now for one of our elite workshops and gain valuable knowledge, in a superior training environment that will provide you and your employees with the confidence of safe, reliable, and efficient system operation on the job.

To register for a course listed below, please scan the QR code associated or reach out to your local sales representative today!

Smith Meter® AccuLoad® IV

March 3-5, 2026 - Houston, TX
October 20-22, 2026 - Houston, TX
8:30am - 4:00pm
\$2,650



Smith Meter® Load Rack Equipment & AccuLoad® IV Basics

February 10-13, 2026 - Erie, PA
August 18-21, 2026 - Erie, PA
8:30am - 4:00pm (Tues-Thurs)
8:30am - 11:00am (Friday)
\$2,650

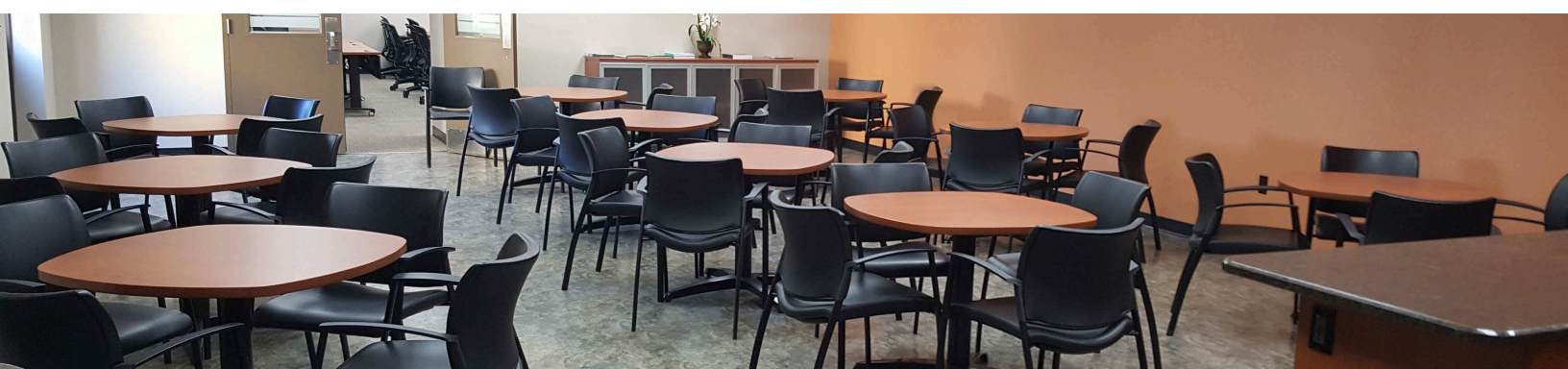


Advanced Smith Meter® AccuLoad® IV

April 21-24, 2026 - Erie, PA
September 22-25, 2026 - Erie, PA
8:30am - 4:00pm (Tues-Thurs)
8:30am - 11:00am (Friday)
\$2,850 - includes simulator



*Each course includes our customer "Welcome Event" as well as morning & afternoon snacks, daily lunch, & all materials for class. Guidant reserves the right to alter welcome event schedule as necessary.



Course Agenda



Smith Meter® AccuLoad® IV

March 3-5, 2026 - Houston, TX

October 20-22, 2026 - Houston, TX

\$2,650

Tuesday

ALIV – Overview

- Operation
- Dynamic Displays
- Intro to VLR
- Hands – On

ALIV – Peripheral Equipment Interface

- Pulse Transmitters
- Digital I/O
- Analog I/O

ALIV – Programming Directories

- Navigating the Directories
- Keypad Programming
- Program Mode Menu
- Hands – On

ALIV – AccuMate Software Programming

- Basic Communications
- Getting Connected
- AccuMate Programming
- Hands – On

Wednesday

AccuMate - Software Programming

- Basic Communications
- Getting Connected
- AccuMate Programming
- Hands – On

ALIV – Upgrade Procedure

- Electrical/Mechanical Installation
- Straight Arm Programming
- Hands – On

ALIV – Startup Procedures Commissioning

- Mechanical
- Electrical
- Diagnostics
- Hands – On

ALIV – Security Features

- Password Protection
- Security Inputs
- AccuMate Security
- Security Demonstration
- Hands – On

Thursday

ALIV – Additive Injectors

- Injector Types
- Metered Injectors
- Additive Injector Control Board
- Additive Programming

ALIV – Side Stream/Ratio Blending & Programming

- Side Stream Blending
- Ratio Blending
- Programming Demo
- Hands – On

ALIV – Security Features

- Password Protection
- Security Inputs
- Hands-On

AccuMate Security

- Security Demonstration
- Hands – On

ALIV – Service & Support

- Understanding Alarms
- Run-Ready Alarm Clearing
- Alarm Directory
- Program Mode Diagnostics
- Hands – On

Course Agenda



Smith Meter® Load Rack Equipment & AccuLoad® IV Basics

February 10-13, 2026 - Erie, PA

August 18-21, 2026 - Erie, PA

\$2,650

Tuesday

ALIV – Overview

- Operation
- Dynamic Displays
- Intro to VLR
- Hands – On

ALIV – Peripheral Equipment Interface

- Pulse Transmitters
- Digital I/O
- Analog I/O

ALIV – Programming Directories

- Navigating the Directories
- Keypad Programming
- Program Mode Menu
- Hands – On

ALIV – Service & Support

- Understanding Alarms
- Run-Ready Alarm Clearing
- Alarm Directory
- Program Mode Diagnostics
- Hands – On

Wednesday

AccuMate - Software Programming

- Basic Communications
- Getting Connected
- AccuMate Programming
- Hands – On

ALIV – Upgrade Procedure

- Electrical/Mechanical Installation
- Straight Arm Programming
- Hands – On

ALIV – Startup Procedures Commissioning

- Mechanical
- Electrical
- Diagnostics
- Hands – On

ALIV – Security Features

- Password Protection
- Security Inputs
- AccuMate Security
- Security Demonstration
- Hands – On

Thursday

PD Meters – Single/Double Case Meters

- Design & Operation
- Accuracy Theory
- E3 PD Meter
- Hands – On

PD Meters – Genesis PD Meter

- Design & Operation
- Unique Features
- Installation/Service

PD Meters – Prime 4

- Design & Operation
- Unique Features
- Installation/Service

Coriolis Meters

- Overview
- Operation Principles
- Installation
- Programming

Friday - 1/2 Day

Turbine Meters – Guardsman

- Design & Operation
- Accuracy Theory
- Installation/Service
- Hands – On

Flow Control – 210 Digital Control Valve

- Design & Operation
- Unique Features
- Installation/Service
- Hands – On

Comments & Questions School Evaluation Guidant Erie Plant Tour

Course Agenda



Advanced Smith Meter® AccuLoad® IV

April 21-24, 2026 - Erie, PA

September 22-25, 2026 - Erie, PA

\$2,850 - includes simulator

Tuesday

ALIV – Training Courses Overview

- Review ALIV & Load Rack Courses
- ALIV Components
- A4M, THMI, SOM, A4B, A4I

ALIV Simulation & Demo Module

- Instructor Demo
- VLR/Test Rig/Flow Simulator
- Hands – On

Advanced AccuMate

Configuration – Hybrid Blending

- Instructor Demo
- Hands – On

Advanced Features Utilizing

AccuMate Terminal Emulator

- Communication Protocols
- Configuring Parameters for Correct Protocol
- Presetting & Loading via Smith Protocol
- Communications Alarm Review of NOXX Responses
- Troubleshooting
- Automation Trace Logs
- Create NOXX Responses via VLR
- Instructor Demo
- Hands – On

Wednesday

ALIV Firmware Upgrading & Increasing the # of Loading Arms

- Firmware Revision ID
- Firmware Updating
- Troubleshooting & Alarms
- Number of Arms Increasing Process
- Firmware Update Work Instruction
- Instructor Demo & Hands – On

ALIV Internal IP Network

Configuration &

THMI Installation w/ Calibration

- Changing the Internal IP Addresses
- Touchscreen Calibrations
- High- & Low-Level Calibration
- Troubleshooting
- THMI Brightness Adjustment
- THMI Installation
- Instructor Demo & Hands – On

Meeting the Standard: Gasoline – Ethanol Blend Growth Considerations

- API 11.3.4

ALIV Boolean Programming

- AccuMate Equation Editor
- Boolean/Algebraic Statements
- Setting a Timer
- Setting a User Alarm
- Toggle Inputs & Outputs
- Boolean Applications
- Algebraic Expressions
- Instructor Demo & Hands – On

Thursday

Advanced Troubleshooting – SoM vs A4M

- SoM Diagnostic – Work Instruction
- Board Pairing
- Instructor Demo
- Hands – On

Advanced Troubleshooting SoM vs A4M

- SoM Diagnostic – Work Instruction
- Determine Which Board Failed
- Board Pairing
- THMI & A4M Internal IP Configuration
- Reconfigure ALIV
- Configuration Driver Database BOL/Equations
- Hands – On

Advanced Troubleshooting THMI Replacement

- THMI Replacement – Work Instruction
- THMI & A4M Internal Configuration
- Instructor Demo

- Hands – On

Advanced Troubleshooting – THMI Replacement

- THMI Replacement – Work Instruction
- Replace THMI
- Calibrate Touchscreen with High- and Low-Level Options
- Board Pairing
- THMI & A4M Internal IP Configuration
- Reconfigure ALIV
- Configuration Driver Database BOL/Equations
- Adjust Screen Brightness
- Hands – On

Friday - 1/2 Day

Advanced ALIV Commissioning – FLOW LAB - HANDS – ON AccuLoad QT (3) Arm Straight Loading – Fully Operational Unit with Product

- Meters – Smith Prime 4 /Smith Turbine /Promass
- Digital I/O –Rewire as Needed
- Utilize/Installation Manual & Multi-Meter
- Test Digital Inputs / Test Digital Outputs

- Test RTD / Test Pulse Inputs
- Configuration Error Fix
- Backup Configuration File
- Install Boolean BOL/Driver Files
- Run Flow Loop & Tune 210
- Metered Injector Proving

AccuLoad ST (1) Arm (3)

Product Ratio Blending – Fully Operational Unit with Product

- Test Digital Inputs / Test Digital Outputs
- Test RTD / Test Pulse Inputs

- Utilize Installation Manual & Multi-Meter
- Test Digital Inputs / Test Digital Outputs
- Test RTD / Test Pulse Inputs
- Configuration Error Fix
- Backup Configuration File
- Install Boolean/BOL/Driver Files
- Run Flow Loop & Tune 210

Metered Injector Proving Comments, Questions, & Evaluation Guidant Erie Plant Tour

Guidant Measurement 2026 Factory Training School Customer Events

FEBRUARY SCHOOL - ERIE, PA - ERIE OTTERS GAME

Customers attending the February ALIV + Load Rack Course will enjoy a night with our Erie Otters! (local hockey team) *Feb 11th, 2026*



MARCH SCHOOL - HOUSTON, TX - RODEO NIGHT

Customers attending the March ALIV Course will enjoy an evening at the Houston Rodeo! *March 3rd, 2026*



APRIL SCHOOL - ERIE, PA - DINNER EVENT

Customers attending the April ALIV Advanced Course in Erie will enjoy a great dinner event at one of our favorite local spots! *April 2026*



AUGUST SCHOOL - ERIE, PA - ERIE SEAWOLVES GAME

Customers attending the August ALIV + Load Rack Course will enjoy a night with our Erie Seawolves! (local baseball team) *August 18th, 2026*



SEPTEMBER SCHOOL - ERIE, PA - DINNER CRUISE

Customers attending the September ALIV Advanced Course in Erie will enjoy a dinner cruise around Lake Erie aboard the Victorian Princess. *Sept 2026*



OCTOBER SCHOOL - HOUSTON, TX - DINNER EVENT

Customers attending the October ALIV Course in Houston, TX will enjoy a great dinner event at one of our favorite local spots! *October 2026*



GUIDANT

Guidant Measurement

For more details on any of our course offerings, or should you have any questions, please reach out to us directly using the information listed below.

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