

SMITH METER PIPELINE/PRODUCTION EQUIPMENT SERVICE TRAINING SCHOOL: AGENDA

DAY 1: *Monday, October 16, 2023*

8:00am – 8:30am	Welcome and Introduction
8:30am – 9:00am	Why Meter?
9:00am – 9:30am	Measurement Concepts
9:30am – 10:00am	Smith Meter Inc. Overview
10:00am – 10:15pm	Break
10:15am – 10:45am	Line Accessories <ul style="list-style-type: none">• Strainers, Air Eliminators• Deaerators• PetroGuard System
10:45am – 12:00pm	Pulse Transmitters <ul style="list-style-type: none">• P.D Meter Transmitters Models: E, PEXP, PPST, UPT• Turbine Meter Pick-ups and Preamplifiers
12:00pm – 1:30pm	Lunch
1:30pm – 2:15pm	Prime 4 Meter
2:15pm – 3:00pm	Turbine Meters
3:00pm – 3:15pm	Break
3:15pm – 4:00pm	MVTM Multi-Viscosity Meter
4:00pm – 5:00pm	Adjourn

DAY 2: Tuesday, October 17, 2023

8:00am – 9:00am	Introduction to Mass Meters
9:00am – 10:00am	Temperature Compensation (ATC)
10:00am – 10:15am	Break
10:15am – 11:15am	PD Meter Design
11:15am – 11:45am	PD Meter Accuracy Theory <ul style="list-style-type: none">• Linearity and Repeatability• Pressure Drop• Friction and Clearances• Viscosity and Torque
11:45am – 1:00pm	Lunch
1:00pm – 3:00pm	PD Meter Teardown and Reassembly
3:00pm – 3:15pm	Break
3:15pm – 5:00pm	PD Meter Teardown and Reassembly - <i>Continued</i>

DAY 3: Wednesday, October 18, 2023

8:00am – 10:00am	Introduction to MicroFlow
10:00am – 10:15am	Break
10:15am – 11:45am	Shop Practical <ul style="list-style-type: none">• Troubleshooting Meters and Accessories
11:45am – 1:00pm	Break
1:00pm – 4:00pm	Shop Practical <ul style="list-style-type: none">• Packing Glands• Gear Clusters• Lid Rebuilds• Inner Mech Change-outs• Counters
4:00pm – 5:00pm	Implementing a Preventative Maintenance Program - <i>Discussion</i>

DAY 4: Thursday, October 19, 2023

8:00am – 9:00am	Introduction to Ultrasonic Meters
9:00am – 10:00am	Provers and Prover Principles
10:00am – 10:15am	Break
10:15am – 12:00pm	Prover Truck Practical <ul style="list-style-type: none">• Prover Truck Overview• Proving Practices• Proving Integrity• Proving Reports
12:00pm	Certification Awards – <i>School Adjourns</i>
Afternoon	All participants are welcome to stay for <ul style="list-style-type: none">• Facility Tour• Additional Hands-on Training• Any other metering questions/concerns

Please note the following are required to participate in the course:

- *CSA Safety Footwear*
- *CSA Safety Glasses (Will be available on site)*