



LOGIX 3820 & VALVESIGHT TRAINING

- 1) Features & Benefits of Logix 3820 Valve Positioner (1 hour)
 - Modular Design with Five Pressure Sensors
 - High Performance Digital Valve Positioner
 - Auto Cal (Zero, Span & Auto Tune) – One Touch Full Calibration
 - Single Acting & Double Acting/Rotary & Linear Valves
 - Two Solid State (DO) Switches, Analog 4-20 mA Position Feedback
 - Smart Solenoid (DI) for Initiating PST or 0 -24 Vdc DETT/ETT
 - Local User Interface LCD & Keypad with External Access for local Configuration & Tuning
 - Non-Contact Position Sensor
 - Dual Poppet Pneumatic Relay Technology
 - Direct Mounting Option, no external tubing required
 - SIL 3 Certified
 - Technical Specifications & Maintenance Practices

- 2) Features and Benefits of ValveSight DTM Software (30 min.)
 - No Need to License ValveSight Advanced DTM (Free)
 - Off-Line Diagnostics & On-Line Diagnostics
 - Predict Failures before they happen
 - Remote Operation in hostile locations
 - Decrease Maintenance & Increase Confidence
 - Predictive is more Profitable than Preventive
 - Baseline Signatures (Calibration of “Actuator/Stroke/Friction”)

- 3) Logix Local User Interface & ValveSight Hands-On Practice (2 ½ hours)
 - Installation & Setup
 - LED’s blinking codes (Warnings and Alarms) – NAMUR 107 Standard
 - LCD, Quick Cal Button, Gain Selector Switch, Jog Buttons and Local Configuration
 - DIP Switch Settings (Air Action, Characterization, Auto Tune, Valve Stability, Quick Cal, HART 6-7)
 - Maintenance Practices & Troubleshooting
 - ValveSight Dashboard View and Annunciator Panels
 - Health Status: Valve, Positioner, Actuator and Control Signal
 - On-Line Diagnostics: Data Monitor, Data Capture, Event Capture, Trends
 - Off-Line Diagnostics: Ramp Test, Step Test, Multiple Step Test, HDRL and Partial Stroke Test (PST)
 - Calibration: Sensor Calibration, Command Calibration, AO Calibration,
 - Setup Wizard & Configuration Management
 - Setup and Configuration of DI and DOs
 - Burst Mode Configuration

Total Time: (4 hours)