



FRONT RANGE

888-784-1131

WWW.PROCESS-TECH.COM

14828 W 6TH Ave.  
Suite 11B  
Golden, CO 80401



Process Technology, Inc.

## PROCESS AUTOMATION SOLUTIONS

### ARMSTRONG INTERNATIONAL



Armstrong



**STEAM & CONDENSATE** - Steam Traps: Inverted Bucket, Float & Thermostatic, Disc, Radiator & Universal Mount, Trap Valve Stations, Liquid Drainers, Air Vents, Strainers, Steam Filters. Condensate Management: Pumping Traps, Custom Pump & Receiver Packages, Flash Tanks, SS Sump Ejectors. Steam-A-Ware Equipment Sizing Software  
**PRESSURE & TEMPERATURE CONTROLS** - Steam & Water Pressure Reducing Valves, Temperature Regulators & Balancing Valves

**EVERACTIVE** - Battery-less Servers Continuously Stream Steam Trap Data to the Cloud, Providing 24/7 Analytics for Steam Trap Health

**HUMIDIFICATION** - Conditioned Steam Humidifiers, Gas & Electric Humidifiers with Ionic Bed Technology, Cool Fog Atomizing Systems, Clean Steam Generators, Humid-A-Ware Sizing Software

**HOT WATER GROUP** - Instantaneous Steam to Water Heat Exchangers, Washdown Hose Stations, Steam & Water Thermostatic Mixing Valves, RADA, The "BRAIN" Digital Mixing Center, Direct Gas-Fired Water Heaters, Digital-FLO Instant Water Heaters

**FLOW MANAGEMENT** - Accelabar, Verabar, Vortex Meter, Orifice Plates, Venturi Tube, ASME Flow Nozzle, Wedge Meter

### AbTech

**STORMWATER TREATMENT** - Engineered systems, storm drain inserts, environmental site solutions focused on reducing coliform bacteria, hydrocarbons, TSS, nutrients & heavy metals

**OIL & GAS WATER MANAGEMENT** - Upstream, midstream & downstream water management solutions

**INDUSTRIAL WATER TREATMENT** - Filtration media solutions, water treatment systems



OXYGEN ANALYZER SYSTEMS, INDUSTRIAL  
PH / ORP CONDUCTIVITY SENSORS (2 & 4 Electrode)



PRESSURE, LEVEL & TEMPERATURE  
Measurement Products



OPEN CHANNEL FLOW MEASUREMENT  
Collection System Flow Monitors, Collection  
System Flow Data Services



PROCESS ANALYZATION & MONITORING  
SOLUTIONS For Quality and Compliance



Non-Contact Thermometer/Pyrometer, Fixed Thermal  
Imaging & Line Scanner, Combustion Efficiency Monitors,  
Portable Gas Analyzers, Opacity & Dust Monitors



DIFFERENTIAL PRESSURE FLOWMETERS  
V-Cone, VM V-Cone, Wafer Cone  
ELECTROMAGNETIC FLOWMETERS  
FPI Mag, SPI Mag, UltraMag, DuraMag  
PROPELLER FLOW METERS  
Flow Straightener, McPropeller

### METTLER TOLEDO

ANALYTICAL INSTRUMENTATION - pH/ORP (Redox)  
Probe, Dissolved Oxygen Sensors, Turbidity/Optical Density,  
Conductivity, Inductive Conductivity, UniCond Conductivity/  
Resistivity Sensors w/ ISM, Analog Conductivity Sensors,  
Analytical Transmitters



GAS MONITORING INSTRUMENTS - Gas & Flame  
Sensors and Transmitters, Safety & Health Monitors, Gas  
Monitoring Controllers, HVAC Monitors, Sampling Systems  
& Calibration Kits, Factory Authorized Calibration



TANK LEVEL GAUGING - Liquid Level Sensors,  
Dual Float for Interface & Flexible Gauges



TURBIDITY & SUSPENDED SOLIDS MONITORING  
Sediment & Erosion Control, Wastewater Process Monitoring,  
Filtration Monitoring & Control



SMARTDIVER - Tank Profiling & Interface Detection Systems  
for Clarifiers, Thickeners & CCD's. CLARITY PROBES &  
FLOCCULANT CONCENTRATION ANALYZERS



TEMPERATURE SENSORS - Thermocouples, RTD's,  
Thermistors, Extension Wire, Thermowells, Protection  
Tubes & Accessories

### SIEMENS

LEVEL - Ultrasonic, Radar, Point Level and Continuous  
Level FLOW - Electromagnetic, Coriolis, Ultrasonic,  
Vortex, Variable Area, DP digital pressure transmitters  
GAS ANALYZERS - Extractive & In-Situ Analyzers for:  
HF, HCl, H2O, NH3, O2, NOX, CH4, H2 and Ar  
INDUSTRIAL BELT SCALES - Continuous Weighing  
Systems, Speed Sensors & Calibration  
MORE - Process Recording, Remote Display, Advanced  
Control, Valve Positioning & Automation



FLOW METERS - Vane & Piston Variable Area, CoolPoint  
Vortex Shedding, Insite Transparent, In-Line Turbine,  
Insertion Paddlewheel, Compressed Air & Electromagnetic  
Flow Sensors



### START-UP, COMMISSIONING, FIELD SERVICE & CONSULTING

PTI offers factory certified START-UP & COMMISSIONING  
service on all SIEMENS process instrumentation, as  
well as FIELD SERVICE and CONSULTING on all our  
instrumentation & automation product lines



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## FACTORY AUTOMATION



**PHOTOELECTRIC SENSORS** - Sensors, Fiber Optic, Registration, Luminescence

**MEASUREMENT SENSING** - Arrays, Laser, Radar, Temperature, Ultrasonic, Vibration

**MACHINE SAFETY** - Controllers, Light Curtains, Scanners, Emergency Stop Devices, Relays, Switches

**INDUSTRIAL WIRELESS** - Analog, Discrete, Pressure, Temperature, Ultrasonic, Vibration, Ethernet, Serial

**MACHINE VISION** - Bar Code, Intelligent Cameras, Vision Sensors, Vision Lighting

**LIGHTING & INDICATION** - Andon, OEE, Programmable RGB Tower Lights, Indicators, Touch Buttons, Machine Illumination

## EMERSON | AVENTICS

**COMPREHENSIVE PORTFOLIO** - Pneumatic Valves, Actuators, Air Preparation

**IIOT GATEWAYS** - Smart Controllers, Ethernet/IP, PROFINET, OPC UA, MQTT, PLC/PAC, SCADA

**MODULAR FIELDBUS** - I/O with MI2 Connectivity Provides Plug & Play Simplicity

**AF2** - Air Flow Sensor Monitor for Expensive Air Leaks Within System

**SMART INTELLIGENCE** - Provides Predictive Diagnostics for Potential End of Life of Mechanical Components

## PULS

**DIN RAIL POWER SUPPLY** - .63 to 40 Amp (15W to 960W), 100VAC to 480VAC input, 5VDC to 72VDC output, DC UPS, DC Buffer & DC to DC Modules, Redundancy Modules, Conformal Coating on Specific Models, Highest MTBF in Industry, Smallest Form Factor



**AUTOMATION SERIES** - Hi-tech features like Pivot-rotatable drives and Tension Release tool-less belt changes

**INDUSTRIAL SERIES** - Designed for rugged and demanding environments. A wide range of solutions for any application including indexing, plastic chain, embedded drive, and heavy load carrying capacities

**HYDROCLEAN SERIES** - Sanitary design for handling all types of applications

**ONLINE CONFIGURATOR** - easy to use software to develop BOM, 3D CAD & Quote Template

**10 YEAR WARRANTY - 5 DAY TURNAROUND**



**ETHERNET** - Ethernet Switches, Managed & Unmanaged, PoE, PoE+, Routers, IP67, Custom Designs

**IIOT SOLUTIONS** - Scalable Solution, WiFi, Cellular, I/O, Cloud, Datalogging, Routing, 300+ Protocol Drivers

**REMOTE ACCESS** - High Security via RSA Authentication, Intelligent Firewall, Up Running in Minutes

**HMI PANELS** - Rugged, 300+ Protocol Drivers, Datalogging, Web Server, SQL, I/O, C programming environment

**DIGITAL PANEL METERS** - Expansive Offering of Digital & Analog Designs from 1/32 DIN to Large Displays

## TURCK

**SENSING** - Capacitive, Inductive, Magnetic, Radar, Ultrasonic

**MEASUREMENT SENSING** Analog, Inductive-Magnetic, Flow, Level, Position, Pressure, Temperature

**CONNECTIVITY** - Circular, Custom Harnesses, Deutsche, Mill-Spec, Process

**NETWORK I/O** - Multi-protocol, IP20, IP67, IP69K, Analog, Discrete, Specialty

**CONTROL** - Programmable Gateways, HMI's, & I/O modules, CODESYS Software, IEC61131-3 Compliant

## VALVES

### Red Valve Tideflex

**CHECK VALVES** - CheckMate Inline Check Valves, TideFlex Check Valves, Aeration, Potable Water Mixing Systems, Effluent Diffuser ZSystems and System Engineering.

**PINCH & KNIFE GATE VALVES** - Pinch Valves Sleeves, Air-Operated Pinch Valves, Control Pinch Valves, Knife Gate Valves, Pressure Sensors and RedFlex Expansion Joints.



**REGULATORS** - Pressure, Back Pressure, Temperature, Gas and Tank Blanketing Control Valves



**BALL VALVES** - 1/4" - 12" manually operated and actuated



**CONTROL VALVES**  
Fractional Flow, Pneumatic & High Pressure

**REGULATORS**  
High Pressure, Pressure Reducing & Diaphragm Sensed.



Instrument manifolds, orifice block valves, gauge valves, needle valves & block and bleed valves.



**SANITARY** - Compressed Air & Gas Pressure Reduction Valves & Back Pressure Regulators, Low Pressure Blanketing Regulators, Control Valves, Check Valves, Ball Valves, Steam Traps & SIP Accessories



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