



Process Technology, Inc.

**FRONT RANGE
COLORADO
EASTERN WYOMING
MONTANA**

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PROCESS AUTOMATION SOLUTIONS

ARMSTRONG INTERNATIONAL



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

hobré
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



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



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**



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



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

SIEMENS

LEVEL - Ultrasonic, Radar, Point Level and Continuous Level

FLOW/PRESSURE - Electromagnetic, Coriolis, Ultrasonic, Vortex, Variable Area, DP digital pressure transmitters, Hydrostatic Pressure

TEMPERATURE - Termocouples, RTD's & 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



SERVICES

**START-UP + COMMISSIONING
+ FIELD SERVICE + CONSULTING**

Factory certified **START-UP & COMMISSIONING** service on all Siemens process instrumentation, including **FIELD SERVICE** and **CONSULTING** on all our instrumentation & automation product lines

**DIAGNOSTICS + INTEGRITY SOLUTIONS
EVALUATION - TRAINING - IMPLEMENTATION**

Assessment of machine monitoring components, cycle time and instrumentation to ensure that all components in your system are working properly at all times.

EXPERTS
AT THE HEART OF
INDUSTRY



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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



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 M12 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

KUKA

INDUSTRIAL ROBOTICS & AUTOMATION

Wide range of industrial robots, controllers, software, kinematic systems, energy supply systems, 3D perception sensors, linear units to extend work envelope, laser cutting gantry and complete robot packages consisting of robot, controller, operator control element and software.



ETHERNET - Ethernet Switches, Managed & Unmanaged, PoE, PoE+, Routers, IP67, Customs 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



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



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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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