



Process Technology, Inc.

888-784-1131

WWW.PROCESS-TECH.COM

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Golden, CO 80401



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## PROCESS INSTRUMENTATION

### SIEMENS

**LEVEL** - Ultrasonic, Radar, Point,

Capacitance & Continuous Level

**FLOW** - Electromagnetic, Coriolis, Ultrasonic, Vortex, Variable Area

**PRESSURE** - Gauge, Absolute, Differential, Hydrostatic

**TEMP** - RTD's, Thermocouples, Transmitters, Thermowells

**GAS ANALYZERS** - Extractive & In-Situ Analyzers for: HF, HCl, H<sub>2</sub>O, NH<sub>3</sub>, O<sub>2</sub>, NOX, CH<sub>4</sub>, H<sub>2</sub> and Ar

**INDUSTRIAL BELT SCALES** - Continuous Weighing Systems, Speed Sensors & Calibration

**MORE** - Process Recording, Remote Display, Advanced Control, Valve Positioning & Automation



**DIFFERENTIAL PRESSURE FLOW METERS**

V-Cone, VM V-Cone, Wafer Cone

**ELECTROMAGNETIC FLOW METERS** -

FPI Mag, SPI Mag, UltraMag, DuraMag

**PROPELLER FLOW METERS** - Flow Straightener, McPropeller



**FLOW MEASUREMENT**

**ACCELABAR & VERABAR** flowmeters accurately and reliably measure flow for liquids, gases and steam.

**ACCELABAR** combines two differential pressure technologies capable of generating high differential pressures for measuring gas, liquids and steam.



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

### METTLER TOLEDO

**ANALYTICAL INLINE PROCESS**

**MEASUREMENT** - Automated Clean & Calibrate Digital Intelligent pH/ORP, Unbreakable 3A-pH, dO<sub>2</sub>/DO, dCO<sub>2</sub>, Conductivity and Med-High Turbidity Sensors for Mining, Chemical, Food & Bev and Biotech

**PURE WATER ANALYTICS: POWER, SEMI AND PHARMA - PURE &**

**ULTRAPURE WATER** - Digital Cond/Resist, Ozone, Dissolved Oxygen, ppb-TOC Sensors. Analyzers for ppb-Silica, -Sodium, -Chloride/Sulfate. Real-time Bioburden Analyzer

**GAS ANALYTICS** - Innovative In-Situ TDL for Compact and Alignment-Free Installations



**THERMAL MASS FLOWMETERS • FLOW SWITCHES**

**FAT PROBE, 9000 SERIES** -

Multipoint thermal mass flowmeter for installations with limited straight run (only 5 pipe diameters required)

**HAZ SERIES** - Industrial grade for hazardous areas. CSA/CUS, ATEX, IECEx, and KOSHA approvals. Assembled with stainless steel wetted materials (optional Hastelloy C-276)

**MPNH SERIES** - Industrial grade general purpose applications including compressed air and natural gas submetering.

**VALUMASS SERIES** - Affordable thermal mass flow meter designed for HVAC and OEM's



**SMARTDIVER** - Tank Profiling & Interface Detection Systems for Clarifiers, Thickeners & CCD's.

**CLARITY PROBES & FLOCCULANT CONCENTRATION ANALYZERS**



**TEMPERATURE** - temperature measurement devices, sensing solution  
**PRESSURE, STRAIN, & FORCE** - single & differential pressure, strain gauges, load cells, ETC; for various industrial applications.

**ENVIRONMENTAL SENSING & TESTING** - calibration and measurement test equipment  
**FLOW & LEVEL** - large, diverse inventory of flow and level instrumentation

**CONTROL, MONITORING & IIOT** - data monitoring solutions, control chart recorders, panel meters, wired & wireless sensors, gateways



**TEMPERATURE SENSING**

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



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



**LEVEL** - Point, Continuous, Conductivity, Visual, Dip-Tape

**FLOW SWITCHES** - Piston, Shuttle, Paddle, Thermal, Ultrasonic Clamp-On

**CONTINUOUS FLOW** - Rotor, Turbine, Ultrasonic

**PRESSURE** - Sensors, Switches, Transducers, Calibration

**ROOM PRESSURE MONITORS** - Pressure, Humidity, Temp, Particle Count, Velocity, Door Status, Occupancy

**POWER METERS**



**OPEN CHANNEL FLOW**

Collection System Flow Monitors, Collection System Flow Data Services



**Temposonics**

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

### VAISALA

**LIQUID CONCENTRATION** - Process Refractometers continuously monitor liquid concentration to ensure quality, increase uptime and accurate density measurements

## PTI 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.



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## PROCESS & 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

## SIEMENS

**AUTOMATION** - PLC's, HMI's, Industrial PCs, Industrial Networking

**INDUSTRIAL CONTROLS** - Motor Controls, Pilot Devices, Control Circuit Protection, Power Supplies

**DRIVE TECHNOLOGY** - VFD's, Motors and Motion Control Systems

**POWER DISTRIBUTION** - Circuit Breakers, Motor Control Centers, Switchgear



**ELECTRIC LINEAR MOTION** - Rodless Electro-mechanical actuators, Electric Rod Actuators, ServoWeld Actuators, Motors and Drives, Roller Screws.

**PNEUMATIC LINEAR ACTUATORS** - Rodless Pneumatic Air Cylinders, Pneumatic Thrusters

**POWER TRANSMISSION** - Industrial Caliper Brakes, Industrial Right Angle Gearboxes, Industrial Cone Clutches, Roller Screws



**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



BY BONNELL ALUMINUM

**MODULAR HARDWARE** - Quickly and easily create anything from clean rooms to robot enclosures.

Extrusions, Brackets, Gussets, Plates, Fasteners, Hardware, Panels, Linear Motion, Stanchions, LED Lights, Preconfigured Assemblies and more.

**VERTICAL INTEGRATION** - The only extruded aluminum manufacturer that extrudes, finishes, cuts, machines, and ships their own product from start to finish.

**TBUILD** - Intuitive, easy-to-use, web-based design software from creation and edit of designs, print bill of materials, and obtain real-time pricing

## 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



**COMPLETE PNEUMATIC PORTFOLIO** - Pneumatic Directional Control, Actuators & Air Cylinders, Vacuum Products, Airline Equipment, Connectors

**FLUID PROCESS** - General Purpose Valves, Dust Collection Valves, Specialized Valves, Process Pumps, Industrial Filters, Water Equipment

**CHILLERS** - General Purpose, Large Capacity, High Efficiency, Rack Mount, Benchtop, Circulating Bath



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

**INDUSTRIAL SERIES** - Designed for rugged and demanding environment, 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**



**SOLENOID VALVES** - General Purpose, Cryogenic, Isolation, Sub-Miniature



**PROXIMITY SENSORS, LIMIT SWITCHES, LEVERLESS LIMIT SWITCHES & DISCRETE VALVE CONTROLLERS**

## VALVES



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

## Red Valve

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



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

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



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



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



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



Remanufactured Fisher, Rosemount, Foxboro Valves, Transducers & Transmitters, Component Recycling & Application Engineering