

# IAC Instrumentation And Controls

Our Name Is Our Business



MINING



POWER



MUNICIPAL



OIL & GAS



SEMI-  
CONDUCTOR



FOOD &  
BEVERAGE





# INSTRUMENTATION, MEASUREMENT & CONTROL



# COMMUNICATIONS

**Endress+Hauser**   
People for Process Automation

**Flowmeters**  
Coriolis, Magnetic, Ultrasonic, Vortex, DP, Thermal Mass Level

Vibration, Capacitance, Conductivity, Radar, TDR, Ultrasonic, Microwave, Mechanical, Radiometric, Pressure

**Liquid Analyzers**  
pH, ORP, pION, DO, Conductivity, Chlorine, Turbidity, Silica, Phosphate, Nitrate, Ammonium, Hydrazine, Sodium

**Pressure**  
DP, Gauge, Level, Hydrostatic, Remote Seals

**Recorders**  
Videographic

**Temperature**  
Transmitters, RTD's, Thermocouples, Thermowells



**Calibration Equipment**  
Hart® Communicators, Digital Deadweight Tester, Digital Manometers, Milliamp Loop Calibrators, T/C & Rtd Calibrators, Hand Pumps

**Digital Pressure Gauges**  
**Averaging Pitot Tubes**



**GENERAL MONITORS**  
*Protection for life.*

**Gas Sensors & Transmitters**  
Combustible, Toxic & Oxygen

**Flame Detectors**  
UV, UV/IR, Multi-spectrum IR

**Fire and Gas Systems**  
NFPA 72 compliant



**Sight Flow Indicators**  
Industrial, Sanitary, Threaded, Flanged

**Sight Windows**  
Threaded & Welded



**Level Switches**  
External Cage, Displacer, Tuning Fork, Capacitance

**Level Transmitters**  
Displacer, Capacitance



**Boiler Level Gauges**  
Magnetic, Prismatic, Flat Glass, Water Columns, Remote Indicators.



**Flowmeters**  
Thermal Mass Meters, Single Point Insertion, Multi-Point Insertion, In-Line, Portable



**Gas Sensors & Transmitters**  
Combustible, Toxic, Permanent & Portable

**Flame Detectors**  
UV, UV/IR, IR3

**Gas Analyzers**  
Infrared, Solid State



**Controllers**  
¼ Din, Single Loop, Dual Loop

**Loop Monitors**  
4-20mA, Hart

**Signal Conditioners**  
Isolators, Converters, Splitters

**Temperature**  
RTD's, Thermocouples, Thermowells, Transmitters

**Transducers**  
I/P, P/I, AC Power

**Device Couplers**  
Foundation Fieldbus, Profibus PA

**Power Supplies**  
Foundation Fieldbus, Profibus PA



**Hygrometers**  
Precision Hygrometers Utilizing Ceramic and Chilled Mirror Optical Technologies



**Pressure**  
Gauges, Transducers, Transmitters, Diaphragm Seals

**Temperature**  
Gauges, Sensors, Transmitters

**Force**  
Load Cells, Transducers



**Gas Analyzers**  
Carbon Dioxide, Hydrogen Sulfide, Acetylene, Oxygen, Ammonia

**Moisture**  
Tunable diode laser absorption spectroscopy (TDLAS)



**Switches**  
Electronic and Electromechanical Switches for Pressure, Differential Pressure & Temperature

**Transmitters**  
Pressure and Temperature

**Temperature**  
RTD's, Thermocouples, Thermowells



**Industrial Weighing Solutions**  
PLC Weighing Modules, Weighing Instruments, Load Cells & Platform Scales



**Gas Analyzers**  
Aluminum Oxide, Chemiluminescence, Coulometric, Flame Ionisation Detector, Infrared

Paramagnetic, Thermal Conductivity, Tunable Diode Laser (TDL), and Zirconia



**Intercom/Paging**  
Single Party, Multi Party, Smart Systems

**Public Address/Alarming**  
Tone Speech Generator, Telephone Interface



**Auto Dialers**  
Multipoint, Wired, Wireless, PLC Interfaces, Email, Paging

**Web- Based Monitoring**  
Wireless Alarming & Notification



**Remote Monitoring**  
Data collection from any sensor, over any communication network, using any server, and integrated into any SCADA or software analytics platform



## VALVES & ACTUATORS



**Electric Actuators**  
Multiturn, Quarterturn, Linear, Controls & Gearboxes



**Valves**  
Needle, Ball, Plug, Check, Relief valves, & Instrument Manifolds

**Fittings & Actuators**  
Tube, Pipe, 37 Degree Flare JIC, DIN 2353, Weld, ZCO O-Ring Face Seal, Pipe, Calibration, High Pressure Cone & Thread

**High-Purity Components**  
Belows, Diaphragm, ZCR Face Seal, Weld fittings



**Valves**  
High quality, modular linear globe, rotary plug, ball, and butterfly control valves, in standard and exotic metals, sizes ranging from micro-flow to 100 inch



## FILTRATION



**3M Purification Inc. Filtration**  
Depth, Surface, & Charge Modified Filter Cartridges, Bag Filters, Filter Housings, Single/Multi Cartridge & Bag



**Separators**  
Vane, Multi-Cyclone, Centrifugal, Filter



a Scott Fetzer company

**Electrical Enclosures**  
304 and 316L stainless steel enclosure system for use in a wide variety of applications



**Diaphragm Seals**  
Industrial, Sanitary



**Transducers**  
Pressure, Level

**Gauges**  
Pressure, Temperature



**Flowmeters**  
Thermal Mass Meters & Controllers, Coriolis Meters & Controllers, Variable Area

**Vaporizers**  
Thin Film



## SERVICE

- GAS DETECTION CALIBRATION & SERVICE
- THERMAL MASS FLOW METER CALIBRATION & SERVICE
- PRESSURE, TEMPERATURE AND PH TRANSMITTER CALIBRATION & SERVICE
- FLOW METER VERIFICATION
- VALVE AUTOMATION
- GENERAL TROUBLESHOOTING OF INSTRUMENTATION & PROCESS CONTROLS
- START UP AND TRAINING SERVICE FOR IAC MANUFACTURERS



## PRESSURE PROTECTION



**Continental Disc Corporation**

**Rupture Discs**  
Tension Type, Reverse Acting, Specialized, Holders



**GROTH CORPORATION**  
a Continental Disc Company

**Low Pressure Relief Products**  
Pressure/Vacuum Relief Valves, Flame and Detonation Arresters, Blanket Gas Regulators

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**Instrumentation and Controls** represents manufacturers of instrumentation, process controls, safety systems and engineered systems. It is our mission to represent our product lines with knowledge and skill so that we may supply our customers with the best possible product for their applications.

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