

techstar

PROCESS CONTROLS & INDUSTRIAL AUTOMATION

Analytical Gas & Liquid Condition & Vibration Monitoring Controls Data Acquisition Density
SOLUTIONS Enclosures Fixed Gas & Flame Detection Flow Heat Trace Level
 Moisture Pressure Signal Conditioning & Isolation Temperature Valves Wireless & Telemetry

INDUSTRIES SERVED

Refining & Petrochemical | Natural Gas | Energy & Power Generation
 Utilities | Renewable Energy | Mining & Metal | Pharmaceutical
 Life Science | Food & Beverage | Pulp & Paper | Iron & Steel
 Semiconductor | Water & Wastewater | Biofuel
 Building Materials & Construction | Cement
 General Industrial & Manufacturing | Environmental | Aerospace

STRATEGIC PARTNERS



PROCESS CONTROLS & INDUSTRIAL AUTOMATION

TechStar offers a complete product, service and project management portfolio. We have partnered with manufacturers familiar with the rigorous project requirements. Our technical expertise and partnerships allow us to provide you with the best solution, saving you valuable time and money over the course of the entire project. Whether it is our engineering team or service organization, we have you covered to make sure design, procurement, construction and commissioning go smoothly and quickly. TechStar applies the same high level of customer service and expertise to your project throughout the acquisition, design, construction and commissioning phases.



Analytical Gas Measurements

- Natural Gas Analyzers:
 - Oxygen, Hydrogen, CO₂, H₂S, SO₂
- Tunable Diode Laser Spectrometers (TDLAS)
- Process Gas
- Chromatographs
- CEMS Analyzers
- Mass Spectrometer Analyzers
- UV Analyzer

Moisture Measurements

- Tunable Diode Laser Spectrometers (TDLAS)
- Quartz Crystal Moisture Analyzers



Density Measurements

- Multiphase Level: Interface

Level Measurements

- Continuous Level
- Point Level



Brüel & Kjær Vibro



Condition & Vibration Monitoring

- Electric Motor Testing
- Energy & Sustainability Management
- Portable Data Collectors & Analyzers
- Surveillance Systems
- Motor Quality Control Test Systems
- Software - Control & Troubleshooting
 - Stand Alone, Integrated
- Sensors



Flow Measurements

- Thermal Mass Flow Meters



Valves

- Ball
- Butterfly
- Check
- Control
- Gate
- Globe
- Actuators
- Basket Strainers
- Limit Switches
- Manifold
- Plug
- Positioners
- Solenoid
- Worm Gear Operators



Continuous Level

- Guided Wave Radar
- Magnetostrictive
- Radar (Pulse Burst)

Point Level

- Ultrasonic (Contact)
- Vibration

Level Switches

- Displacer
- External
- Float Level
- Thermal Dispersion

Displacer Level

- Controllers
- Switches
- Transmitters



Signal Conditioning & Isolation

- AC Power Transducers & Monitors
- Displays & Enclosures
- Functional Safety
- Hart/Modbus Signal Converters
- I/P Converters
- Isolators & Converters
- Limit Alarm Trips
- Remove I/O

Temperature Monitoring

- Flexible Temperature Transmitters
- Ready to Install Assemblies
- Remote I/O
- Sensors & Transmitters



Fixed Gas and Flame Detection

- Multichannel Controllers
- Flame Detectors
- Leak Detectors
- Fire & Gas Detector Systems (NFPA72)

- Gas Detectors/Monitors
 - Combustibles, Toxics
- Calibration Kits



Heat Trace

- Electric Heated Bundles
- Steam Traced Bundles
- CEMS Bundles
- Tubing
- Installation Services

Instrument Enclosures

- Enclosures
- Supports



Magnetic Level Indicator/Bridle

- Magnetic Level Indicators
- Magnetostrictive



Wireless & Telemetry

- Gateways
- Hazardous Area Tables
- Long Range Nodes
- Solar Powered Solutions
- Totalizers & Displays
- Wireless Nodes, CIDI



Data Acquisition

- Panel Mount Recorders
- Portable Data Acquisition
- Data Loggers
- Chart Recorders

Industrial Networking

- Network Converters
- Field Wireless
- Device Communicators

Analytical Gas Measurements

- Gas Chromatography
- Zirconium Oxide

- Tunable Diode Laser Spectrometer (TDLAS)
- CEMS
- Gas Density/Hydrogen Purity

Analytical Liquid Measurements

- pH/ORP
- Conductivity
- Dissolved Oxygen

Process Analyzer Systems Integration

Field Measurements

- Differential Pressure
- Fiber Optic Temperature
- Flow Computers
- Flow Meters
- Handheld Devices:
 - Controllers/Communicators
- HART Converters
- Pressure Transmitters
- Remote Indicators
- Temperature Transmitters