

# PRODUCT OVERVIEW

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# GAS ANALYSIS + MEASUREMENT



## ACCULASE-GPA™

Gas Quality Compliance  
and Pipeline Integrity



## PROTECH903™

Gas Quality Compliance  
and Pipeline Integrity



## BRIMSTONE™

Sulfur Recovery Process  
Efficiency



## ACCUCHROME GC™

Gas Quality Compliance  
and Process Efficiency



## GASMICRO™

Billing Accuracy



**GALVANIC**  
APPLIED SCIENCES

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# LIQUID ANALYSIS+ MEASUREMENT



**ACCUSERIES™**

Environmental Compliance  
and Process Efficiency



**FPA 4100™**

Environmental and Gas  
Quality Compliance



**MONITEK™**

Environmental Compliance  
and Process Efficiency



**MONITEK ULTRASONIC™**

Environmental Compliance  
and Process Efficiency



**VISCOSITE™**

Process Efficiency



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# ACCULASE-GPA™

The only tunable diode laser (TDL) analyzer that measures H<sub>2</sub>S, CO<sub>2</sub>, and H<sub>2</sub>O using 1 Herriot Cell.



Feature	Advantage	Benefit
Multi-Parameter	1 Cell Measures 3 Compounds	Fast Return on Investment
1 Herriot Cell	Reduced Analyzer Hardware	Small Footprint, More Cost Effective
No Scrubber	30 Seconds for 3 Compounds	Maximum Uptime to Catch Upsets
0.15 ppm H <sub>2</sub> S LDL	Low Range Sensitivity Rivals Tape	Same Precision Without Consumable
No Consumables	Less Operator Hands-On Time	Minimal Maintenance
Multi-Stream	1 Analyzer Handles Up to 4 Streams	Fast Return on Investment

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# PROTECH 903™

Tape analyzer for H<sub>2</sub>S, total sulfur, arsine, phosphine, phosgene, chlorine.



Feature	Advantage	Benefit
0.005 ppm Low Detection	Rivals Laboratory Sensitivity	Support Critical Application Needs
Predictive Alarm Analysis	≤ 20 Seconds to Alarm	Quickly Detect Sour Events
Peak Detection Method	Measure Above Cal Range	Comply With Reporting Standards
Multi-Parameter Option	H <sub>2</sub> S & Total Sulfur in 1 System	Fast Return on Investment
Multi-Stream Capability	1 Analyzer Handles 4 Streams	Fast Return on Investment

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# BRIMSTONE™

**Direct coupled tail gas and pit gas analyzer for sulfur recovery units.  
Monitors H<sub>2</sub>S, SO<sub>2</sub>, COS and CS<sub>2</sub> and calculates air demand.**



Feature	Advantage	Benefit
Condensing Probe	Condensation in Process Line	No Plugging → Maximum Uptime
Close-Coupled	No Sample Transport Lines	No Plugging → Maximum Uptime
Sample System	Handles High Sulfur Vapor	Upstream Installation After 1 <sup>st</sup> Condenser
Steam Utility	Only Low Pressure Needed	Simplifies Installation
Full UV Spectrum	Measures COS & CS <sub>2</sub> Trending	Monitor Catalyst Conversion Efficiency

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# ACCUCHROME™

**Btu + Hydrocarbon content for Natural Gas Processing and Custody Transfer.**



Feature	Advantage	Benefit
Low Temp TCD Method	No Loss of Carrier Gas Damage	Minimizes Maintenance
Firmware Chromatogram	±3,500mV Chromatogram Range	Maintain Peaks If Baseline Shift
Multi-Stream Capability	1 Analyzer Handles 8 Streams	Fast Return on Investment
Measurement Canada	Approved for Custody Transfer	Trusted Reporting
Ethernet / Modbus Access	Connects to Local Area Network	Remote Analyzer Control
Designed For Easy Use	Easy Access Valves, Components	Faster, Simplified Maintenance
Intuitive User Interface	Simple to Navigate Menus	Fast to Train New Employees
Flexible Carrier Gas	Hydrogen or Helium Gas	Utility Cost-Saving Opportunity

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# GASMICRO™

**Electronic volume corrector for natural gas distribution networks.**



Feature	Advantage	Benefit
Wide-Range Transducer	Covers Low & High Ranges	Reduces Utility's Inventory
± 0.05% Accuracy	Reduce Unaccounted-For Gas	Improve Profitability
Factory Calibrated	12-Year Initial Reverification	Minimizes Maintenance
Rocking Compensation	Handles Unstable Conditions	No Incorrect Readings
Measurement Canada	Custody Transfer Approved	Trusted Reporting
Mechanical Backup	Electronic Failure Protection	Continuous Measurement
Extensive Audit Trail	Hourly, Daily, or Monthly Records	Trusted Reporting



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# FPA 4100™

Photometer for H<sub>2</sub>S, SO<sub>2</sub>, chlorine, and oil in water.



Feature	Advantage	Benefit
External Flow Cell	Easily Accessible Components	Minimal Maintenance Time
Multi-Stream	Measure Up to 8 Channels	Fast Return on Investment
Custom Wetted Parts	Optimal Compatible Components	Minimal Maintenance
Haz. Area Certification	Div. 2 / Zone 1 (No Purge)	Simplifies Installation
Wide Measurement Ranges	Methods for ppm to % Level	Serves Many Applications

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# ACCUSERIES-LPA™

Multi-stream and multi-parameter liquid chemistry analyzer.



Feature	Advantage	Benefit
Multi-Parameter	Up to 3 Compounds Per Stream	Fast Return on Investment
Multi-Stream	Up to 6 Channels	Fast Return on Investment
Compatible Components	Optimal Wetted Parts	Minimal Maintenance
Wide-Bore Sample Tubing	Handles High Solids	Minimal Maintenance
Haz. Area Certified	No Purge Required	Simplifies Installation

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# MONITEK™

**Turbidity, suspended solids and color analyzer for liquid samples.**



Feature	Advantage	Benefit
Powerful Cleaning Jets	Protect Optics From Fouling	Avoid Extensive Maintenance
Application-Specific Sensors	Minimal Engineering Time	Streamlined Installation
1 Second Response Time	Quickly Alert DCS of Upset	No Expensive Downtime
Multi-Parameter Option	Combine Multiple Analytes	Fast Return on Investment
Multi-Stream Capability	1 Analyzer With 2 Sensors	Fast Return on Investment

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# MONITEK ULTRASONIC™

Oil in water and suspended solids analyzer for opaque samples.



Feature	Advantage	Benefit
Maintenance Free	Works Even While Coated	No Man Hours Required
Sensor Removal	Will Not Disrupt Process	Easily & Quickly Check Sensor Status
1 Sec Response Time	Quickly Alert DCS of Upset	No Expensive Downtime
Sensor Configuration	Customized for Customer	Simplifies Installation
Robust Sensor Design	Handles 150°C & 260 psi	No Cooling or Pressure Regulation

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# VISCOSITE™

Real-time monitor for viscosity of liquids.



Feature	Advantage	Benefit
Hermetically-Sealed	No Maintenance Required	No Downtime
Sensor Shield Option	Protects Against Solids	No Damage Post Shutdown
Teflon Coating Option	No Coatings on Sensor	No Maintenance; Always Accurate
Custom Configuration	Sensor to Meet User Needs	Simplifies Installation
Rugged Materials	Handles 400°C / 2,500 psi	No Sample Conditioning Needed