Liquid Process Analyzers
Chemical - Process Chemistry - Product Quality - Waste Water

AccuSeries-LPA
Titrator, ISE, Colorimeter

- ± 2 ppb Sensitivity
- Div. 2 / Zone 2 (No Purge)
- Multi-Parameter / Stream
- Custom Wetted Parts
- Handles 70°C Samples

Key Applications
- Amine Sweetening
- Sour Water Stripper
- Hardness in Brine

FPA 4100
UV - VIS Photometer

- Multi-Stream Up to 8
- IECEx Zone 1 (No Purge)
- 200°C / 300 psi Samples
- Accessible External Cell
- Auto Zero / Calibration

Key Applications
- H₂S / SO₂ in Gas
- Waste Water Deodorizing
- Chor-Alkali Brine Clarity

Monitek
Turbidity - TSS - Color

- Powerful Cleaning Jets
- Div. 1 / Zone 1 Sensors
- 1,400 psi / ≤ 100 m Cable
- Custom Connections / Units
- Submersible or Flanged

Key Applications
- NGL Saybolt Color
- Polymer Dosing Control
- Chor-Alkali Brine Clarity

Monitek UltraSonic
Acoustic Oil in Water / TSS

- Handles Coatings on Sensor
- Zero Downtime Sensor Removal
- Div. 1 / Zone 1 / CRN Sensors
- ≤ 100 m Cable / Custom Length
- 150°C / 260 psi Samples

Key Applications
- Filter Break-Through
- Oil in Water
- TSS in Edible Oil Processing

ViscoSite
Viscometer

- No Moving Parts
- Div. 1 / Zone 1 Sensor
- 400°C / 2,500 psi
- Anti-Stick Teflon Coating
- Sensor Shield Protection

Key Applications
- Roofing Asphalt
- Ceramic Cement
- Refinery Vis-Breaking

Parameters
- Acid # / Base #
- Acid Gas Loading
- Acidity
- Alkalinity
- Aluminium
- Amine Strength
- Ammonia
- Ammonium
- Barium
- Bicarbonate
- Boron
- Bromine
- Cadmium
- Calcium
- Carbonate
- Caustic
- Chlorate
- Chloride
- Cyanide
- FFA #
- Fluoride
- Hardness
- Hydrazine
- Hypochlorite
- Iron
- Magnesium
- Manganese
- Mercaptans
- Molybdenum
- Nickel
- Nitrate
- Nitrite
- Oil in Water
- Peroxide
- Phenol
- Phosphate
- Potassium
- Silica
- Sodium
- T.M.A.H.
- T.B.C.
- Thiocyanate
- Thiosulfate
- Thiourea
- Suspended Solids
- Tin
- Turbidity
- Urea
- Viscosity
- Zinc
- ... And More!
Gas Process Analyzers
Natural Gas - NGL - Refinery - Petrochemical

AccuLase-GPA  Tunable Diode Laser

- **UNIQUE FEATURES**
  - 0.15 ppm Sensitivity
  - No Scrubber
  - Single Herriott Cell
  - Up to 4 Streams
  - No Consumables

- **KEY APPLICATIONS**
  - Custody Transfer
  - Refinery Fuel Gas
  - Bio Gas

- **PARAMETERS**
  - Hydrogen Sulfide
  - Carbon Dioxide
  - Moisture (H₂O)

ProTech903  Tape

- **UNIQUE FEATURES**
  - ± 5 ppb Sensitivity
  - Predictive Alarm
  - Extended-Life Tape
  - Combined H₂S / TS
  - No Interferences

- **KEY APPLICATIONS**
  - Catalyst Protection
  - Refinery Flare
  - NGL Acids

- **PARAMETERS**
  - Hydrogen Sulfide
  - Total Sulfur
  - Arsine
  - Phosphine
  - Phosgene
  - Chlorine

Brimstone  Spectrophotometer

- **UNIQUE FEATURES**
  - < 10 Sec. Response
  - Anti-Clogging Probe
  - Close-Coupled Design
  - Double Air Demand
  - Maximum Uptime

- **KEY APPLICATIONS**
  - SRU Tail Gas (Air Demand)
  - SRU Sulfur Pit
  - SRU Acid (Feed) Gas

- **PARAMETERS**
  - Hydrogen Sulfide
  - Sulfur Dioxide
  - Carbonyl Sulfide
  - Carbon Disulfide

AccuChrome GC  TCD

- **UNIQUE FEATURES**
  - ±0.25 Btu Accuracy
  - 4 Minutes Analysis
  - Up to 8 Streams
  - CSA Class 1 Div. 1
  - No °C Drift Issues

- **KEY APPLICATIONS**
  - Refinery Flare
  - N.G. Pipeline
  - Custody Transfer

- **PARAMETERS**
  - Btu; Heating Value
  - C7+; C8+
  - Ethane, Methane
  - Propane; H₂; N₂
  - H₂S; CO₂; CO; O₂
  - Specific Gravity
  - Wobbe; n-Butane
  - iso-Pentane

SulfurChrome GC  Chemiluminescence

- **UNIQUE FEATURES**
  - ppb to % Response
  - No Known Interference
  - 1 Cal Gas for All Sulfurs
  - Not Affected by Upsets
  - Up to 8 Streams

- **KEY APPLICATIONS**
  - Odorant Monitoring
  - N.G. Pipeline
  - N.G. Custody Transfer

- **PARAMETERS**
  - Sulfides
  - Disulfides
  - Mercaptans
  - Thiophenes
  - Total Sulfur
  - Others on Request

Gas Micro  EVC - EPR

- **UNIQUE FEATURES**
  - ± 0.05% Accuracy
  - CSA -40° to +65°C
  - 12 Year Calibration
  - 8 Year Data Back-Up
  - 1 Wide-Range Sensor

- **KEY APPLICATIONS**
  - N.G. Distribution
  - Custody Transfer
  - Energy Management

- **PARAMETERS**
  - Volume
  - Pressure
  - Temperature

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