

Catalog Galvanic



by technology

GAS ANALYSIS

GAS & LIQUID

LIQUID ANALYSIS

	AccuChrome GC Btu & Hydrocarbon Analyzers					ProTech Tape-Based Analyzers (903)					Brimstone Sulfur-Recovery Analyzers				SulfurChrome GC for Sulfur Content Determination	GasMicro Electronic Volume Corrector	FPA 4100 Photometers		Monitek Turbidity, Suspended Solids, & Color Monitors	Monitek UltraSonic Oil-in-Water & TSS Monitors	Sentinel Chemical Analyzers			Nametre Viscometers	
	C6+	C6+ Plus Oxygen & CO	C7+	C7+ Oxygen & CO	Single-Component Analysis	H ₂ S	H ₂ S/TS	Arsine	Phosphine	Phosgene	Acid gas	Tail Gas	Pit Gas	CEM		Ultraviolet (UV)	Visible (Vis)			Colorimeter	Titration	Color Titrator	ISE		
Colorimetry																									
Dual-wavelength absorbance																•	•		•		•				
Electronic volume correction																•									
Gas chromatography	•	•	•	•	•										•										
Ion selective electrode																								•	
Lead acetate tape						•	•																		
Light scattering turbidity (12° & 90°)																								•	
Paper tape								•	•	•															
Pressure measurement																•									
Rateometric colorimetry						•	•	•	•	•															
Sulfur chemiluminescence															•										
Thermal conductivity	•	•	•	•	•																				
Titration (color)																								•	
Titration (pH / ORP)																						•			
Torsional oscillation (viscosity)																									•
Ultrasonic reflection																									•
UV absorbtion											•	•	•	•			•	•							
Visible absorbtion																		•	•						•

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	C6+ C6+ Plus Oxygen & CO	C7+ C7+ Oxygen & CO	Single-Component Analysis	H ₂ S	H ₂ S/TS	Amine	Phosphine	Phosgene	Acid gas	Tail Gas	PIE Gas	CEM	Ultraviolet (UV)	Visible (VIS)	Turbidity, Suspended Solids, & Color	Oil-in-Water & TSS	Colorimeter	Titration	Color Titration	ISE
AGGREGATE	Wastewater treatment & chemical dosing control via suspended-solids monitoring																			
CHEMICAL	40 CFR 60 Subpart Ja flare gas emissions monitoring																			
	Agricultural chemicals																			
	Catalyst detection & recharge																			
	Catalyst protection																			
	Chlor-alkali																			
	Industrial hygiene / worker safety																			
	Iso-cyanate production – phosgene																			
	Polymer production																			
	Stack emissions																			
	Wastewater																			
Wastewater treatment & chemical dosing control via suspended-solids monitoring																				
COAL MINING	Wastewater treatment & chemical dosing control via suspended-solids monitoring																			
COPPER MINING & REFINING	Copper-concentration monitoring during ore acid leaching process & refining																			
	Chloride contamination monitoring during copper (sulfate) refining																			
FOOD & BEVERAGE	Beer filtration monitoring																			
	Color of food products																			
	Edible oil process																			
	Filter breakthrough																			
	Filtration feedback																			
	Food-grade CO ₂																			
	Food-process monitoring – viscosity (e.g. soup, cheese, ketchup)																			
	Turbidity of food products																			
	Wastewater																			
MUNICIPAL WATER & INDUSTRIAL WASTEWATER	Drinking / potable water – alkalinity, aluminum, chlorine, color, copper, fluoride, hardness, iron, manganese, nitrate, nitrites, phosphates, zinc																			
	Wastewater – ammonia, color, cyanide (free), nitrates, phosphate, turbidity, zinc																			
NATURAL GAS DISTRIBUTION	Electronic volume correction																			
	Pressure measurement																			
NATURAL GAS PIPELINE	Custody transfer																			
	Odorant monitoring																			
NATURAL GAS PROCESSING	40 CFR 60 Subpart Ja flare gas emissions monitoring																			
	Amine analysis – concentration, sulfide gas loading, total acid gas loading																			
	Claus process																			
	Color of LNG, LPG																			
	Condensate																			
	De-butanizer																			
	De-ethanizer																			
	De-propanizer																			
	NG fractionation																			
	NG plant inlet/outlet gas																			
	NG sweetening																			
	Peak shaving																			
	Stack emission																			
	Sulfur recovery – H ₂ S in acid gas feed																			
	Sulfur Recovery – H ₂ S/SO ₂ ratio - air demand																			
	Sulfur Recovery – H ₂ S/SO ₂ in sulfur pit vapor head space																			
	Sulfur Recovery – SO ₂ in stack																			
OIL & REFINING / PETROCHEMICAL	40 CFR 60 Subpart Ja flare gas emissions monitoring																			
	Acidity of hydrocarbon samples																			
	Amine analysis – concentration, sulfide gas loading, total acid gas loading																			
	APHA color in HCl production (chlor alkali)																			
	Asphalt & oil process																			
	Biodiesel process																			
	Boiler waters																			
	Brine purification																			
	Catalyst detection & recharge																			
	Catalyst protection																			
	Claus process																			
	Color of fuel																			
	Feedstock/fuel gas monitoring																			
	Filter breakthrough monitoring in Chlor alkali bleach process																			
	Heat exchanger leak detection																			
	Hydrocarbon in water (unsaturated HC only)																			
	Naphtha color / quality in crude distillation unit																			
	Oil in water																			
	Saybolt color scale in refined products																			
	Stack emissions																			
	Sulfur recovery – H ₂ S in acid gas feed																			
	Sulfur recovery – H ₂ S/SO ₂ in sulfur pit headspace																			
	Sulfur recovery – H ₂ S/SO ₂ ratio - air demand																			
	Sulfur recovery – SO ₂ in stack																			
	Total sulfur in fuels as mercaptans																			
	Wastewater – UV-254 nm measurement for unsaturated hydrocarbons																			
PHARMACEUTICAL / PERSONAL CARE PRODUCTS	Filtered water process																			
	Stack emissions for reporting																			
	Industrial hygiene / worker safety																			
	Organic synthesis – phosgene																			
	Process monitoring – viscosity (e.g. gel capsule polymer, toothpaste)																			
	Wastewater																			
PLATING	Plating bath concentration control – copper, nickel, chromium, cobalt																			
	Wastewater – copper, nickel, chromium, cobalt																			
POWER GENERATION	Boiler waters																			
	Condensate water – oil and turbidity																			
	Gas turbine control (compositional analysis of natural gas)																			
	Emissions reporting (H ₂ S/TS)																			
PULP & PAPER	Paper coatings																			
	Suspended solids in green liquor																			
	Suspended solids in white liquor																			
	Wastewater																			
SEMICONDUCTOR	Dopant materials – arsine, phosphine																			
	Etch – hydrogen bromides, hydrogen chlorides, hydrogen fluorides, hydrogen sulfides																			
	Filtered water process																			
	Stack emissions																			
	Wastewater – acidity, copper, sulfides, fluorides, chlorides, bromides																			
	Wastewater																			
SOLAR	Control plating operation – copper, nickel																			
	Process water – acidity, alkalinity																			
	Wastewater – copper, nickel																			
STEEL	Plating operation control																			
	Wastewater																			

AGGREGATE

CHEMICAL

COAL MINING

COPPER MINING & REFINING

FOOD & BEVERAGE

MUNICIPAL WATER & INDUSTRIAL WASTEWATER

NATURAL GAS DISTRIBUTION

NATURAL GAS PIPELINE

NATURAL GAS PROCESSING

OIL & REFINING / PETROCHEMICAL

PHARMACEUTICAL / PERSONAL CARE PRODUCTS

PLATING

POWER GENERATION

PULP & PAPER

SEMICONDUCTOR

SOLAR

STEEL

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