

Sampling
Systems

Liquid
Analysers

Gas
Analysers

Fire & Gas
Detection

Calibration
Systems



Others

Nº188-2003-FR-COFRAC-Rev.1
ISO 9001 ed.2000

H₂S

Turn Key
Solutions

PROCESS AND LABORATORY SULPHUR ANALYSERS

CO₂

**Proven Precision
Analysers**

CS₂

H₂O

Innov Analysis Systems has been engineering, developing and marketing state-of-the-art Analysers, Calibration and Sampling Systems in support of clients who want to improve the efficiency, speed and accuracy of their processes.

SO₂

H₂

With proven, reliable, precision analysers leveraging our rich history and expertise in analysis systems, we remain at the forefront of development in technology; delivering integrated process and laboratory solutions for our valued clients.

RSH

CO

THT

O₂

NO_x

C_xH_y

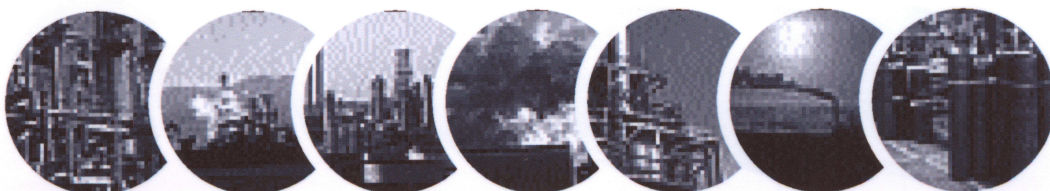
Btu

NH₃

HCl

Meets international Standards

ISO, CSA, ASTM, ATEX, NEC, COFRAC, GOST,



Petrochemistry

Gas

Power

Food

Steel

Pollution

Cement

Automotive

Universities

Pulp Paper

Personal Protection

Incinerators

* * * * *

The Sulphur analysers **COLORSULF™** Series use lead acetate as the detection method (colorimetry), which is the most specific for hydrogen Sulphide detection in the industry. Innov Analysis Systems **CHEMCOLOR™** contains a propriety chemical composition that enhances Hydrogen Sulphide gas determination.


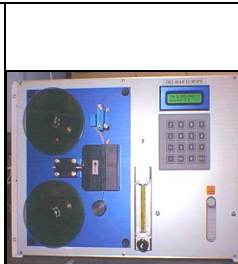


The sulphur analysers **COLORSULF™** Series comply with the following ASTM Standards:



D 4045
D 4323

D 4084
D4468

* * * * *



On-Line Hydrogen Sulphide Gas Analyser COLORSULF™ MR 1000 Series		On-Line Hydrogen Sulphide Gas Analyser COLORSULF™ MR 2000 Series	
	Principle : Colorimetry. Rangeability : 0-100 PPB up to 0-600 PPM, above with dilution. Outputs : 4-20 mA/RS232C/Alarms. Cabinet : IP65 rated. Installation : Panel mounting, safe area. COLORSULF™ MR 1001: 0-600 PPM rangeability. COLORSULF™ MR 1002: 0-5000 PPM rangeability. COLORSULF™ MR 1003: Above 5000 PPM.	Principle : Colorimetry. Rangeability : 0-100 PPB up to 0-600 PPM, above with dilution. Outputs : 4-20 mA/RS232C/Alarms. Cabinet : Table top or 19" rack. Installation : Cabinet or on a bench, safe area. COLORSULF™ MR 2001: 0-600 PPM rangeability. COLORSULF™ MR 2002: 0-5000 PPM rangeability. COLORSULF™ MR 2003: Above 5000 PPM.	

* * * * *


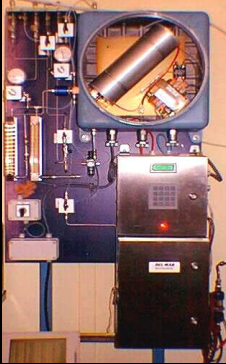
On-Line Hydrogen Sulphide Gas Analyser COLORSULF™ MR 3000 Series		On-Line Hydrogen Sulphide Gas Analyser COLORSULF™ MR 4000 Series	
	Principle : Colorimetry. Rangeability : 0-100 PPB up to 0-600 PPM, above with dilution. Outputs : 4-20 mA/RS232C/Alarms. Detection module : Intrinsic safe, ATEX Certified, IP 65 rated. Electronic module : 19" rack. Installation : Hazardous area for the detection module. Safe area for the electronic module. COLORSULF™ MR 3001: 0-600 PPM rangeability. COLORSULF™ MR 3002: 0-5000 PPM rangeability. COLORSULF™ MR 3003: Above 5000 PPM.	Principle : Colorimetry. Rangeability : 0-100 PPB up to 0-600 PPM, above with dilution. Outputs : 4-20 mA/RS232C/Alarms. Electrical Classification : Intrinsic safe / Ex-proof, ATEX certified. Installation : Hazardous area, panel mounting. COLORSULF™ MR 4001: 0-600 PPM rangeability. COLORSULF™ MR 4002: 0-5000 PPM rangeability. COLORSULF™ MR 4003: Above 5000 PPM.	



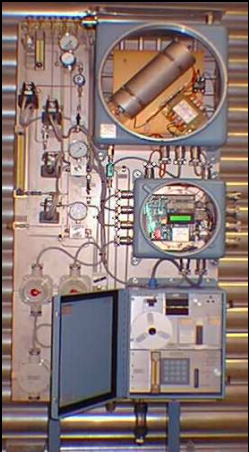



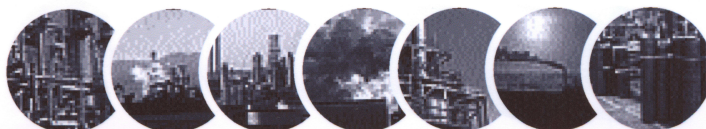
Portable Hydrogen Sulphide Gas Analyser COLORSULF™ MR 5000 Series		On-line Hydrogen Sulphide in light liquid Analyser COLORSULF™ HW Series	
	Principle : Colorimetry. Rangeability : 0-100 PPB up to 0-600 PPM. Outputs : 4-20mA/RS232C/Alarms.	Principle : Stripping of dissolved H ₂ S, colorimetric detection. Applications : Light hydrocarbons. Rangeability : 0-2 PPM up to 0-1000 PPM. Outputs : 4-20mA/RS232C/Alarms. Electrical : General purpose or Intrinsic safe, Ex-proof ATEX certified. Classification :	
	COLORSULF™ MR 5001: battery operated 12 DC 110/220 VAC, Safe area operation. COLORSULF™ MR 5002: Transportable, 110/220 VAC, hazardous area Operation, ATEX certified.	Installation : Safe or hazardous area, depending on the model. COLORSULF™ HW 1000 : Panel mounting, safe area. COLORSULF™ HW 4000 : Panel mounting, hazardous area.	



On-Line Hydrogen Sulphide in Heavy Liquid Analyser COLORSULF™ HL Series		On-Line Total Sulphur Gas Analyser COLORSULF™ TG Series	
	Principle : Stripping of dissolved H ₂ S, colorimetric detection. Applications : Diesel, Gasoline, crude oil. Rangeability : 0-2 PPM up to 0-1000 PPM. Outputs : 4-20mA/RS232C/Alarms. Electrical : General purpose or Intrinsic safe Classification : Ex-proof ATEX Certified.	Principle : Chemical reduction. (H ₂ S), colorimetric detection; Rangeability : 0-250 PPB up to 0-2000 PPM. Outputs : 4-20 mA/RS232C/Alarms. Electrical : General purpose or Intrinsic safe, Ex-proof ATEX certified. Classification :	
	Installation : Safe or hazardous area, depending on the model. COLORSULF™ HL 1000 : Panel mounting, safe area. COLORSULF™ HL 4000 : Panel mounting, hazardous area.	Installation : Safe or hazardous area, depending on the model. COLORSULF™ TG 1000: Panel mounting, safe area. COLORSULF™ TG 2000: 19" rack mounting, safe area. COLORSULF™ TG 4000: Panel mounting, hazardous area.	





On-Line Total Sulphur Liquid Analyser COLORSULF™ TL Series		Laboratory Total Sulphur Gas/Liquid Analyser LABCOLORSULF™	
	Principle : Chemical reduction, (H ₂ S), colorimetric detection. Rangeability : 0-500 PPB up to 0-2000 PPM. Outputs : 4-20mA/RS232C/Alarms. Electrical : General purpose or Intrinsic safe Classification : Ex-proof ATEX certified.	Principle : Chemical reduction, colorimetric detection. Rangeability : 0-250 PPB up to 0-2000 PPM. Monitoring : By a PC via propriarity Software. Electrical Classification : Safe area. Installation : Laboratory bench.	
	Installation : Safe or hazardous area, depending on the model. COLORSULF™ TL 1000 : Panel mounting, safe area. COLORSULF™ TL 2000 : 19" rack mounting, safe area. COLORSULF™ TL 4000 : Panel mounting, hazardous area.		


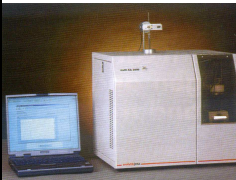





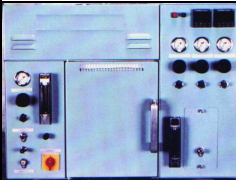
The sulphur analysers **FLUOSULF™** Series use ultra violet Fluorescence detection method (UVF) and are following the ASTM D5453/D6667 and ISO CD 20846 Standards.

Online Sulphur Dioxide Gas Analyser FLUOSULF™ FS Series		On line Total Sulphur Gas Analyser FLUOSULF™ FG Series	
	Principle : U.V. F. detection. Rangeability : 0-100 PPB up to 0-20 PPM, above with dilution. Outputs : 4-20mA/RS232C / Alarms. Electrical Classification : General purpose or Ex-proof ATEX certified. Installation : Safe or hazardous area depending on the model. Option : SO ₂ /H ₂ S converter. FLUOSULF™ FS 1000 : Panel mounting, safe area. FLUOSULF™ FS 2000 : 19" rack mounting, safe area. FLUOSULF™ FS 4000 : Panel mounting, hazardous area.	Principle : Oxidation (conversion) in SO ₂ , U.V. F. detection. Rangeability : 0-1 PPM up to 2000 PPM. Outputs : 4-20mA/RS232C / Alarms. Electrical Classification : General purpose or Ex-proof ATEX certified. Installation : Safe or hazardous area depending on the model. FLUOSULF™ FG 1000 : Panel mounting, safe area. FLUOSULF™ FG 2000 : 19" rack mounting, safe area. FLUOSULF™ FG 4000 : Panel mounting, hazardous area.	




Online Total Sulphur Liquid Analyser FLUOSULF™ FL Series		Laboratory Total Sulphur Gas/Liquid Analyser LAB FLUOSULF™	
	Principle : Oxidation (conversion) in SO ₂ U.V. F. detection. Rangeability : 0-5 PPM up to 0-2000 PPM Outputs : 4-0mA/RS232C/Alarms. Electrical Classification : General purpose or Ex-proof ATEX certified. Installation : Safe or hazardous area, depending on the model. FLUOSULF™ FL 1000 : Panel mounting, safe area. FLUOSULF™ FL 2000 : 19" rack mounting, safe area. FLUOSULF™ FL 4000 : Panel mounting, hazardous area.	Principle : Oxidation (conversion) in SO ₂ , U.V. F. detection. Rangeability : 0-100 PPB up to 2000 PPM. Monitoring : By a PC via propriarity software. Electrical Classification : General purpose. Installation : Laboratory bench.	



On-line Total Dissolved Sulphide in water Analyser - WATERSULF™ Series		On-line Specific Sulphur Compounds Gas Analyser SULFCHROM™ Series	
	Principle : Electrochemical cell. Application : Water. Rangeability : 0-3 mg/l up to 0-50 mg/l. Measured components : H ₂ S, HS ⁻ . Outputs : 4-20 mA/RS232C / Alarms. Electrical Classification : General purpose or Ex-proof ATEX certified. Installation : Safe or hazardous area, depending on the model. WATERSULF™ 1000 : Panel mounting safe area. WATERSULF™ 4000 : Panel mounting, hazardous area.	Principle : Chromatographic column, detection with an electrochemical cell. Rangeability : 0-5 up to 0-100 mg/Nm ³ . above on request. Outputs : 4-20 mA/RS232C / Alarms. Electrical Classification : General purpose or Ex-proof ATEX certified. Installation : Safe or Hazardous area, depending on the model. SULFCHROM™ 1000 : Panel mounting, safe area. SULFCHROM™ 2000 : 19" rack mounting, safe area. SULFCHROM™ 4000 : Panel mounting, hazardous area.	

In our continuing research and development, we reserve the right to make any model revisions and specification changes without prior notice

	INNOV ANALYSIS SYSTEMS 1, rue Guillaume Massicot 36100 ISSOUDUN - FRANCE Tel : +33 (0)254.031.961 Tel : +33 (0)254.031.290 e-mail: info@innov-analysis.com web site : www.innov-analysis.com	LOCAL REPRESENTATIVE
	DOC.PLSA.EN.Rev.2	