



Real Time H2S Monitoring



SMS Ltd provides H2S monitoring using best in class, field proven technology. After extensive testing of H2S monitoring systems, we identified the instrumentation to give our clients the edge they require.

System Overview

SMS' real time H2S and CO2 monitoring system is an automated system, suitable for real time monitoring gas hydrocarbon flow streams. A sidestream setup, connected via small bore pipework, it can be installed either temporarily or to permanent process pipework



Features

Real Time H2S Analysis

- Real Time monitoring of levels of H2S production up to 30% vol, and 30 second to alarm status.

Robust Zone 2 Monitoring System

- Suitable for use in hazardous area

Automated Monitoring System

- Fully automated system, requires minimal maintenance, infield calibration

Data Integration

- Real time integration to end user acquisition system or database

Benefits

Increased safety

- Reduced risk / personnel exposure to potentially harmful samples

Intelligent Alarming

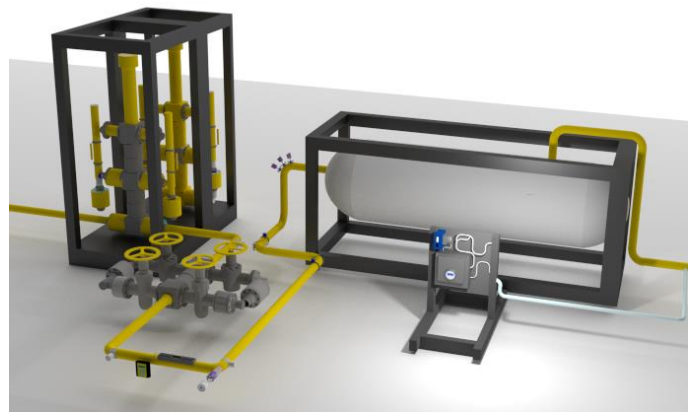
- Fully flexible alarm definition and transmit options

Reliable and Repeatable Data

- No interference from other components of sample

Remote Monitoring

- Save on manpower and offshore bedspace



Sense



Understand



Perform

Aberdeen / Abu Dhabi / Kuala Lumpur

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Specification

Functional Characteristics

Analysis Technique Tape based technology that provides a linear and interference-free output

Data Output H2S – ppm or %

Max H2S Concentration 30%

Accuracy..... +/- 1.5% of full scale deflection.

..... Dual range 0-100ppm & 0-10%

Calibration Factory set calibration 3 monthly checks required

Reading Frequency 4-minute cycle

Data Interface Real time output direct into acquisition system

Maintenance Monthly visual checks only

Power 12–24 VDC @ less than 3 watts or 100-240 VAC, 50/60Hz

Electrical Classification Class I, Div 1, Grps B, C, & D certified to CSA standards.

Ambient Temperature 0 to 50°C (32 to 122°F) std. Contact for other requirements

Output Ranges Standard Range: 0-100ppm.

..... High Range 0-10% (Utilising dilution system)

Response Time 30 Seconds to alarm

Accuracy..... +/- 1.5% of full scale Standard Range

..... +/- 2.5% of full scale High Range

..... +/- 1.5% repeatability

Outputs..... Analogue: Dual isolated 4-20 mA (loop powered)

..... Digital: RS-485 Modbus

Displays External graphic display 128 x 64

Interface SMS SMART Software

Pipework Connections Small bore eg ½ "swageloc

Dimensions..... Mounting panel built to spec

..... Monitoring unit: (60.96 W x 91.4H x 0.635L cm)

Typical Set Up

