Real Time H2S Monitoring

SMS 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 monitoring system is an automated system, suitable for real-time monitoring gas hydrocarbon flow streams. A side stream setup, connected via small bore pipework, 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

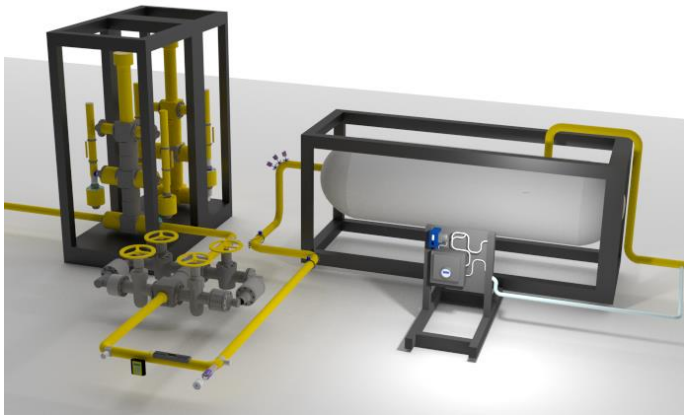
- Fully flexible alarm definition and transmit options

Reliable and Repeatable Data

- No interference from other components of sample

Remote Monitoring

- Save on manpower and offshore bedspace



Sense Understand Perform

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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 defection.

.....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 122ºF) 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

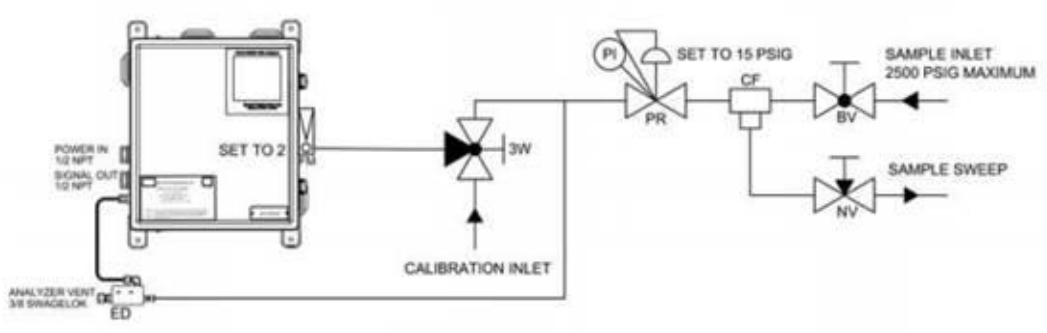
Interface.....SMS SMART Software

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



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