Hydrogen Sulfide Analyser
OMA-300

The OMA continuously measures H2S concentration using a full-spectrum UV-Vis spectrophotometer, harvesting the power of collateral data to establish excellent dynamic range and sustain accuracy in the presence of cross-interfering species. With an ultra-safe fiber optic design and solid state build, this system is simple to install and relentlessly reliable.

Features

- Continuously measures H2S concentrations in a liquid or gas process stream
- Up to 4 additional software benches for additional analytes (e.g. SO2, R-SH)
- Totally solid state build with no moving parts - modern design for low maintenance
- Ultra-safe fiber optic design with dedicated sample flow cell - no toxic/corrosive sample fluid in Analyser enclosure
- Decades of field-proven performance in the world's harshest industrial environments

Specifications

Sample Temperature: Standard: -20 to 70 °C (-4 to 158 °F) Optional: up to 150 °C (302 °F) with cooling extensions
Analyser Environment Indoor/Outdoor (no shelter required)
Sample Pressure (max) Using immersion probe: 100 bar (1470 psig)
Using standard flow cell: 206 bar (3000 psi)
Wetted Materials Standard: K7 glass, Viton, stainless steel 316L
Various custom materials available
Electrical Requirements : 85 to 264 VAC 47 to 63 Hz

Power Consumption: 45 watts
Ambient Temperature Standard: 0 to 35 °C (32 to 95 °F) With optional temperature control: -20 to 55 °C (-4 to 131 °F)
Sample Medium: Gas or liquid
Measurement Principle: Dispersive UV-Vis / SW-NIR absorbance spectrophotometry
Spectral Range: 200-800 nm
Sample Medium: Gas or liquid

Tail Gas / Air Demand Analyser
TLG-837

The world's safest tail gas Analyser
The TLG-837 continuously measures the chemical concentrations of H2S, SO2, COS, and CS2 in the Claus process tail gas stream. Using the patented in situ DEMISTER sampling probe and a full-spectrum UV-Vis spectrophotometer, this system provides extremely fast, accurate response for tight process control.

Features

- Continuously measures concentrations of H2S and SO2 and outputs Air Demand signal (user-defined formula)
- Patented DEMISTER sampling probe with internal sulfur vapor removal
- Totally solid state with no moving parts, sample lines, or heat tracing — modern design for low maintenance
- Ultra-safe fiber optic design — no toxic/explosive sample gas in Analyser enclosure
- Superior Off-Ratio range (100:1 < H2S/SO2 ratio < 1:20)

Specifications

Electrical Requirements: 85 to 264 VAC 47 to 63 Hz
Power Consumption: 65 watts
Analyser Environment: Indoor/Outdoor (no shelter required)
Probe Material Standard: Stainless Steel 316/316L
Ambient Temperature Standard: 0 to 35 °C (32 to 95 °F)
Instrument Air: 70 psig (-40 °C dew point)

Wetted Materials Standard: Stainless Steel 316/316L, Kalrez
Weight Analyser: 32 lbs. (15 kg)
Probe Average Weight: 29 lbs. (13 kg)
Utility Management : 25 lbs. (11 kg) Utility Management Optional: Utility Control Panel
I/O Electronics: Voltage/Current Interface Module (i.e. I/O Board)