KECO
The Measure of Trust

KECO SulfurHound Lite
Hydrogen Sulfide (H2S) Gas Analyzer

SulfurHound Lite

The SulfurHound Lite provides reliable, continuous H2S monitoring with electrochemical detection, built for Division 2 and Zone 2 hazardous locations. With low maintenance and a compact design, it delivers high accuracy, making it ideal for gas processing, pipeline, and biogas applications.

Applications

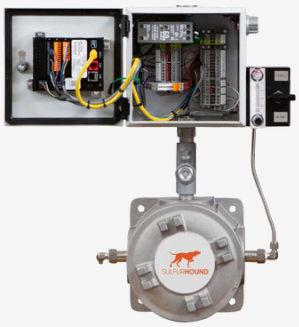
- Gas Processing Facilities
- Natural Gas Pipeline
- Chemical Plants
- Gas Well Testing & Analysis
- Landfills
- Biogas

Benefits

- Precise H2S Detection
- Hazardous Location Certified
- Low Maintenance
- Real-Time Continuous Monitoring
- User-Friendly Touchscreen Interface

Operational Impact

- Optimized process control
- Safe operation in Div 2/Zone 2
- Reduced downtime and costs
- Enhanced responsiveness
- Simplified operation



Specifications

RANGE
- 0-10, 0-50, 0-100, 0-200, 0-1000, & 0-2000 ppm by vol.

RESOLUTION
- <0.05 ppm for ranges up to 200 ppm
- <0.5 ppm for ranges above 200 ppm

REPEATABILITY
- ±3% of Full Scale

ACCURACY
- ±3% of Full Scale

OVERGAS LIMIT
- Maximum 500 ppm for ranges up to 200 ppm
- Maximum 10,000 ppm for ranges above 200 ppm

TEMP PERFORMANCE
- ±10% of reading up to 50% full scale and ±15% of reading from 50% to 100% full scale

RESPONSE TIME
- T90 = less than 60 seconds

POWER
- 110/220VAC 50/60 Hz or 24VDC (1.1 amps max)

OUTPUT
- 4-20mA DC (self-powered)
- RS-485 Modbus
- TCP/IP Ethernet Modbus
- Concentration alarms via Modbus
- Diagnostic Alarms via Modbus

ELECTRICAL CLASS
- Class I, Div 2 (Zone 2) Groups B, C, D

HUMIDITY
- 15-90% RH non-condensing
*analyzer performance based on laboratory conditions

OPERATION TEMPERATURE
- -10°C to 50°C

OPERATION PRESSURE
- Max pressure input 100 psig (optional pressure regulator/gauge available)
- Minimum pressure input 10 psig

DIMENSIONS
- Height: 20 inches
- Width: 12 inches
- Depth: 7 inches

WEIGHT
- Approx. 40 lbs

FEATURES
- Data Logger (SD card separate)
- Enclosure for outdoor environments (UL listed, CSA rated, IP66)
- Sample flow rate is 1.5 SCFH on sample requirement

OPTIONS
- Alarm relays (SPDT, 250 VAC @ 5 Amps)
- Isolation of 4-20 mA and Ethernet
- Solar System (panels, mounting pole, batteries, controller)
- H2S Scrubber for vent
- Fugitive Emission Control Unit for vent
- Sampling System (Simple): Pressure regulator/gauge
- Sample System for Gasses Entrained with Light Liquids: Pressure regulator/gauge, Liquid Block, by-pass with needle valve
- Sampling System for LPG, LNG (heated)
- Sample Probe to be installed at tap point
- Self-standing rack (includes sun/rain shield, drip pan, fork lift holes, foundation mount holes; can mount analyzers on front and back)

KECO provides design and application engineering assistance for the User's analyzer requirements. For a quotation, please complete Analyzer Quote Request Form at kecosystems.com/quote

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