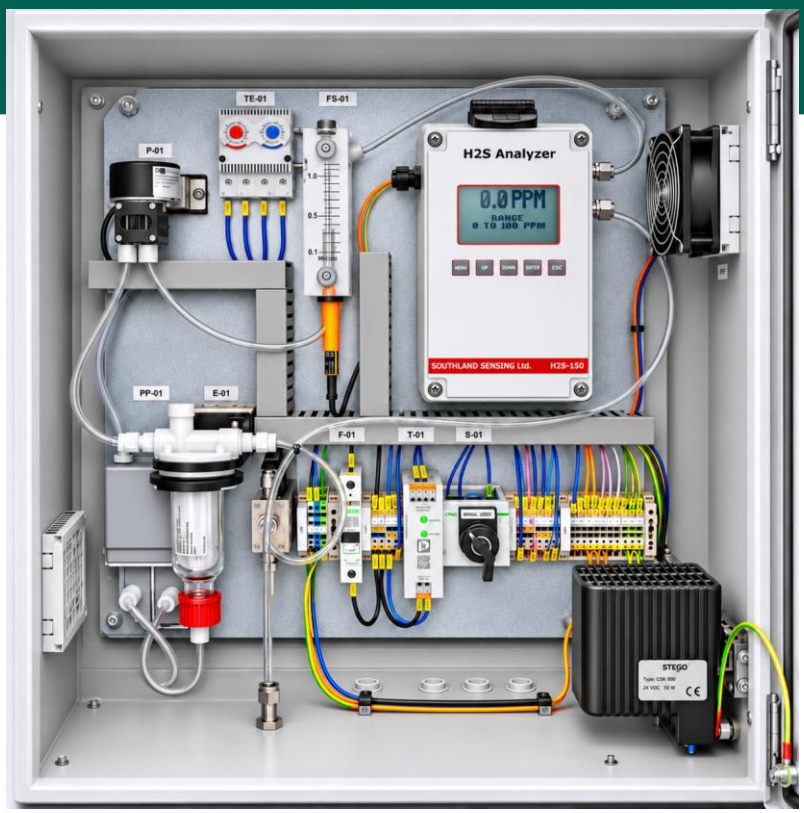
H2S Analyzer P1

Complete sampling system for H_2S analysis

Continuous hydrogen sulfide measurement in an integrated analyzer cabinet with sample gas conditioning and flow monitoring.



H_2S

HYDROGEN SULFIDE ANALYSIS

0–10 to 0–10,000 ppm

Selectable measuring ranges

H2S-150

Electrochemical H_2S sensor

Applications

- Biogas production
- Natural gas and gas networks
- Landfill gas
- Before/after H_2S removal

COMPLETE SOLUTION FOR INDUSTRIAL GAS PROCESSES

The H2S Analyzer P1 carries sample gas from the measurement point to the cabinet, where it is filtered, monitored for flow, and analyzed by the Southland Sensing H2S-150.

BENEFITS

01 Integrated solution
Sample conditioning and analysis in one cabinet.

02 Flexible measuring range
Select a sensor and range for the application.

03 Testing and purging
An integrated 3-way valve allows the sensor to be tested or purged.

04 Communication
Optional Modbus RS485 ASCII.

H2S Analyzer P1

Technical data and options

TECHNICAL OVERVIEW – SAMPLING CABINET

Sampling distance	Standard ≤50 m (4/6 mm tubing)
Pressure at sampling point	-20 mbar relative (options: 500 mbar or up to 50 bar)
Cabinet operating temperature	−30 to +40 °C, temperature control/heater
Cabinet dimensions	500 × 500 × 300 mm
Cabinet power supply	230 VAC
Installation	Wall-mounted in a protected location

H2S-150 – ANALYZER

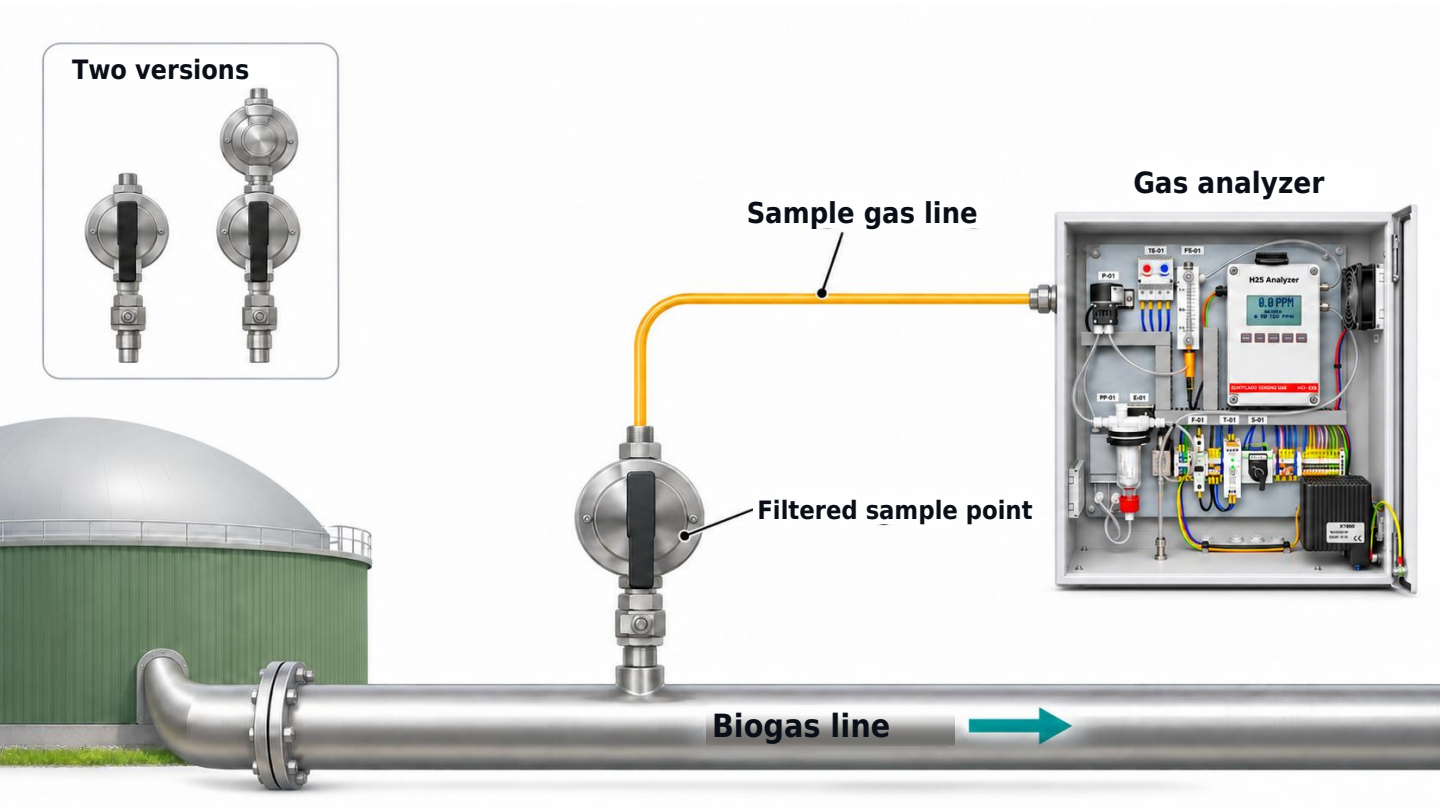
Measured gas	Hydrogen sulfide (H_2S), electrochemical cell
Selectable measuring ranges	0–10 to 0–10,000 ppm (sensor-dependent)
Accuracy	< ±1% of full scale*
Sample flow	0.5–5 SCFH (approx. 0.24–2.36 L/min)
Analyzer inlet pressure	0.1–50 psig (approx. 0.007–3.45 bar(g))
Output signals	4–20 mA and 0–10 V DC
Communication	Modbus RS485 ASCII (optional)
Analyzer power supply	12–24 V DC
Response time	T90: 45 seconds
Enclosure / approvals	IP66 / NEMA 4X, CE; General Purpose

* Under constant conditions. The selected sensor type and range determine the configuration.

OPTION: Peltier cooler for high moisture loads. Sampling and configuration are tailored to the application.

H2S Analyzer P1

Ordering information



Item no. 1004164	O_2 Analyzer P1	Complete cabinet with O_2 analyzer
Item no. 1000633	Extraction Fitting	Sampling point mounting kit
Item no. 1000992	Extraction Fitting + pressure regulator	Sampling point mounting kit (>500 mbar)
Item no. 1000835	TC-MINI gas cooler	Gas cooler (optional)

Contact

info@ppmindustrial.com • +46 (0)31-779 29 50 • www.ppmindustrial.com