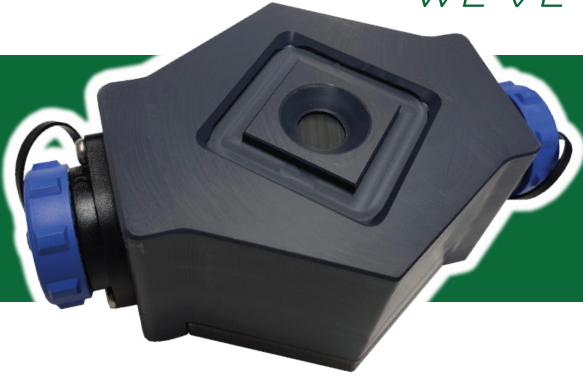


SMARTCOVER®

WE'VE GOT IT COVERED™

H₂Scents®

Reliable, real-time measurement of H₂S levels in harsh remote environments



Hydrogen Sulfide (H₂S) is the most commonly known and prevalent odorous gas in domestic wastewater collection and treatment systems. Bioreactions within a collection system and wastewater treatment plant processes generate H₂S, causing odors that can be strong, persistent, and a nuisance to employees, residents, and businesses located near manholes, pump stations and wastewater treatment facilities.

Presence of H₂S Can Cause

- Sewer pipe crown corrosion leading to reduced pipe life and risk of catastrophic failure
- Corrosion of treatment plant process equipment leading to premature failure
- Escalation of wastewater treatment chemical costs
- Negative impact to chemically enhanced primary treatment (CEPT) processes
- Community odor complaints

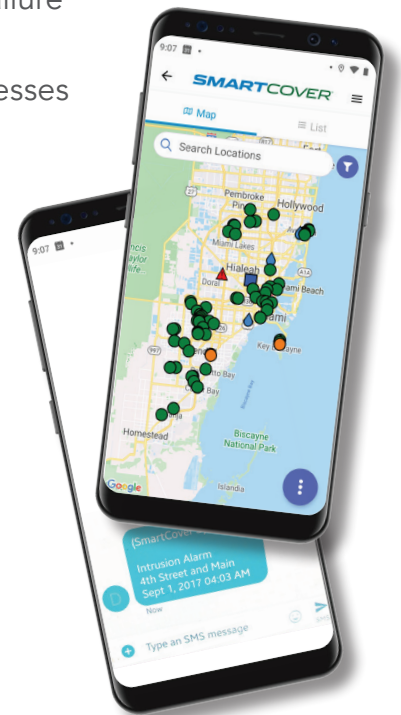
H₂Scents® is an application designed to enable reliable, real-time measurement of H₂S levels over extended periods of time. Locations where the system can be deployed include:

- Force main discharges
- Pump station wet wells
- Gravity lines
- Siphons
- Industrial discharge points
- Headworks/bar screens
- Aerated grit basins
- Primary clarifiers
- Solids dewatering operations
- Industrial sites

The technology can also be used in a range of industrial sites such as refineries, oil & gas production, chemical manufacturing, and food processing.

The SmartCover system is specifically designed for low maintenance installation and service without confined space entry, ensuring staff safety and reducing deployment time and costs. Manhole covers may be pre-configured and installed with a simple swap of the cover to accelerate deployment and minimize staff time in traffic impacted areas.

In addition to gathering data from the most remote, hard-to-reach locations, readings are incorporated into the SmartCover software platform to enable done-for-you trend analysis with the ability to integrate the H₂S data with level, flow or rain data. The distinctively engineered H₂Scents® sensor delivers 90 days continuous service without the need to calibrate and up to two years battery life. Real-time alarms are issued when critical levels are triggered.

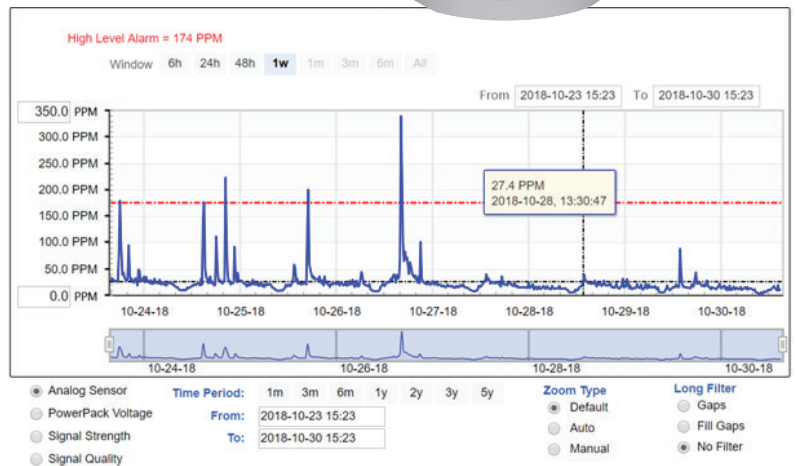


SmartCoverSystems.com

H₂Scents® Measures H₂S Levels

Benefits and Features

- Simple, no confined space installation and maintenance
- Common interface – integrates with existing SmartCover dashboard
- Specialized electrochemical sensor
- Mobile app – free to SmartCover users, iOS and Android
- Factory calibrated replacement sensors provided every 90 days
- Parts warranty coverage
- Professional services & field support
- World class customer service – speak with a live person
- Ability to overlay H₂S data with level, flow, or rain data
- Infrastructure entry detection system



Technical Specifications

- Range 0-1000 ppm
- Resolution 1 ppm
- Accuracy at 50 ppm +/- 5ppm, STP
- Sensor temperature range -10°C to +40°C
- Ingress Protection IP68
- External Dimensions (excluding connectors):
1.750 in x 3.25 in [19.05 mm x 82.55 mm]
- Sensor Weight:
7.8 oz [221 grams]
- Not intended to substitute safety precautionary measures during confined space entry



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