

## H2Scents<sup>®</sup> H2S Level Monitoring

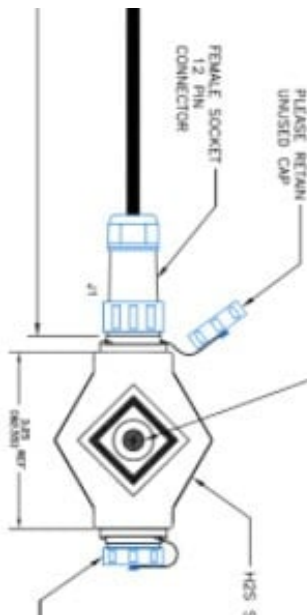
SmartCover offers the most cost-effective, reliable, real-time H2S level monitoring designed for the harshest remote environments. Hydrogen Sulfide (H2S) is the most commonly known and prevalent odorous gas in domestic wastewater collection and treatment systems.

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.

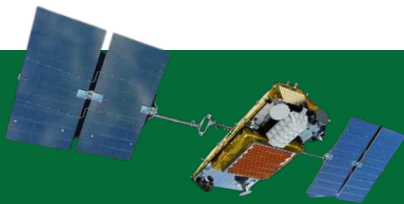
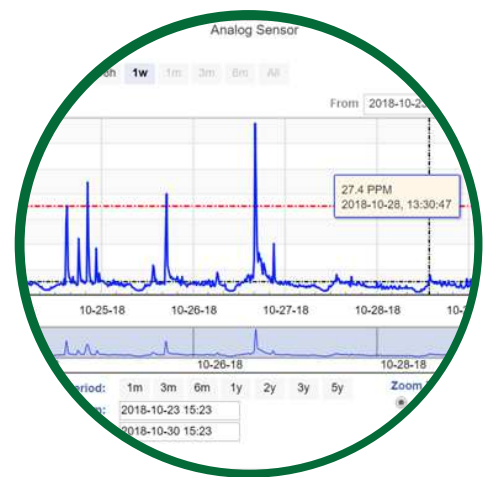


***"Placed a traditional H2S monitor in the same manhole as the SmartCover and the data from the two instruments compared. I'll never question the SmartCover data."***

## H2S Presence May 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



*With satellite based data transmission, users can rely on maintaining their sewer status connection during cell outages and the most severe weather.*

# H2Scents®

## H2S Level Monitoring

### Benefits and Features

- Sealed sensor with sludge shield is virtually maintenance free
- Easily integrates with new or existing SmartCover system
- Factory calibrated replacement sensors delivered every 90 days
- Parts warranty, professional services & field support
- Ability to overlay H2S data with level, flow, or rain data

### Technical Specifications

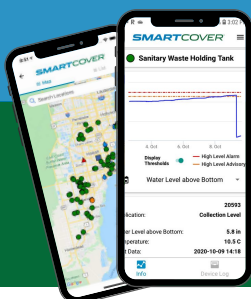
- Range 0-1000 ppm, resolution 1 ppm
- Accuracy at 50 ppm +/- 5ppm, STP
- Sensor temperature range -10°C to +40°C
- Specialized electrochemical sensor: IP68 rating
- Dimensions: 1.750 x 3.25" (19.05mm x 82.55mm)
- Sensor Weight: 7.8 oz (221 grams)
- Humidity Range: 15% – 90% non-condensing
- Not intended to substitute for precautionary safety measures during confined space entry



## SmartCover Features

- Hardware components engineered to function in wet, humid, corrosive conditions
- Flexible patented sensor designs and deployment
- NO CONFINED SPACE ENTRY\* installation or service
- Reduces traffic management resources
- Secure, online dashboard with easy-to-read, visual reports
- Compact, long lasting battery
- Two-way communications permits remote settings management
- Fusion with rain, river and tide data
- Variable timing options for data scan and notifications
- Done-for-you analytics
- Works when there is no power
- Satellite coverage works with sites difficult to access and withstands cellular outages
- Built in tilt switch for real time entry detection
- Encrypted secure servers with redundancy
- Mobile app for iOS and Android
- API available
- Configurations for open channels, canals, holding tanks, lift stations, outfalls, wet wells, reservoirs, and utility vaults

\*as defined by OSHA 29 CFR 1910.146b



*With the SmartCover mobile app, get the insights you want, when and where you need them. Available for both iOS and Android devices.*