



ADS ATMERE™ H2S

MONITOR AND MANAGE
HYDROGEN SULFIDE



Intelligent H₂S control

**Mitigate odor and corrosion,
save on chemical expenses,
and improve worker safety.**

Comprehensive solutions for understanding hydrogen sulfide (H₂S) related odor, corrosion, and safety issues by implementing effective monitoring and prevention methods.



ACCURATE

Measure
high H₂S
concentrations
up to 2000 ppm.



FLEXIBLE

Designed for
multiple deployment
scenarios &
applications.



ROBUST

Stainless steel
housing for
harsh sewer
environment.



CONNECTED

Seamless
integration with
ADS EDGE-DX™
datalogger.

THE ATMERE™ H2S PROCESS



Assess & Deploy

Identify key locations and
deploy smart, durable
dataloggers and sensors.



Access & Adjust

Access near real-time data
to understand H₂S location,
concentration, and timing.



Take Action

Get actionable insights to reduce
odors, minimize corrosion, and
protect wastewater professionals.

KEY ADVANTAGES OF ADS ATMERE H2S SYSTEM



OPERATION UP TO ONE YEAR

Long-term performance
with minimal maintenance
in most applications.



REDUCE CHEMICAL USAGE BY UP TO 30-50%

Optimize dosing, avoid overuse,
and achieve significant
cost savings.



ELEVATED CONCENTRATIONS AT THE SOURCE

Identify issues early, reduce
corrosion, and extend
asset life.



LONG-TERM INSIGHT

Continuous data delivers the
visibility you need to better plan
and time maintenance.

THE ADS ATMERE DIFFERENCE

The ADS EDGE-DX™ battery-powered data logger and ADS ATMERE™ H₂S sensor are designed to be easily deployed to operate in harsh urban sewer environments to monitor gas concentrations. Accessible through the ADS PRISM™ Cloud platform, wastewater professionals can see near-real-time data, manage automatic alerts, and gain insight to adjust chemical dosing levels.

SEE. UNDERSTAND. ACT.

CHALLENGES OF H₂S IN WASTEWATER COLLECTION SYSTEMS

Hydrogen sulfide (H₂S) is a colorless gas with a distinct “rotten egg” smell (at lower concentrations) that poses significant challenges in wastewater management. Generated naturally in wastewater collection systems, H₂S can lead to odor, corrosion, and health and safety risks.



ODOR

H₂S has a strong, unpleasant odor, which can lead to public dissatisfaction.



CORROSION

Corrosion leads to costly repairs and premature failure of critical components.



HEALTH AND SAFETY RISKS

H₂S is toxic and may pose serious health risks to wastewater professionals.

CONTINUOUS MONITORING PROVIDES THE COMPLETE PICTURE

Near real-time H₂S data over time helps wastewater professionals make better decisions, faster.

IDENTIFY H₂S PEAKS

Catch high concentration events before they create problems.

SEE TRENDS

Understand daily and long-term trends to spot emerging issues.

SUPPORT DECISIONS

Optimize chemical dosing and plan maintenance with confidence.



EARLY WARNING

Detect issues early to prevent odors, corrosion, and overuse of chemicals.

COST SAVINGS

Reduce chemical usage and extend asset life with data-driven decisions.

IMPROVE SAFETY

Protect crews with better awareness and faster response.

BETTER PLANNING

Use historical data to plan maintenance and prioritize investments.

SEAMLESS INTEGRATION WITH ADS EDGE-DX DATALOGGER



DATALOGGER



H₂S SENSOR



FIELD DEPLOYMENT

SPECIFICATIONS

Parameter	Value
Expected lifetime	1 year
Measurement range	Available in two different ranges: High concentrations: 0 – 2000 ppm Low concentrations: 0 – 50 ppm
Operating conditions	Temperature: -20°C (-4°F) to +50°C (120°F) Humidity: 0-99% Relative Humidity
Resolution	Depends on selected range: 0-50 ppm: 0.1 ppm 0-2000 ppm: 2 ppm

For More Information, contact ADS at adssales@idexcorp.com