

VaporLink® 2.0 Hydrogen Sulfide Monitor for Wastewater Treatment Systems

DESCRIPTION

The VaporLink® 2.0 hydrogen sulfide monitor combines effective hydrogen sulfide analysis with a remote, customer interface for improved recording and responsiveness to changes in site conditions. The VaporLink 2.0 monitor is equipped with a cellular modem that communicates the logged data to Evoqua's Link2Site® website. Remote personnel have convenient access to site specific data from any location with an internet connection. This improves the ability to make necessary adjustments to chemical dosing and alarm setpoints—quickly and efficiently.

The hydrogen sulfide concentration, the variability of the concentration and the time of the monitoring event determine the VaporLink 2.0 monitor's operating parameters. The robust, moisture-resistant hydrogen sulfide logger is available in two detection ranges, (0-100 ppm, 0-1000ppm). For general purposes, a 0-100 ppm unit is recommended. For most collection lines, a 300 second recording interval is sufficient to detect slow changing hydrogen sulfide levels. In applications where concentration levels change more rapidly, a 60 second recording interval is preferred to assure the accuracy of collected data from the site.

Logged data can be transmitted to the Link2Site interface hourly, once every four hours or once a day. The VaporLink 2.0 monitor can also send instantaneous alarms when the hydrogen sulfide concentration exceeds the high level or average alarm setpoint or, when the gas concentration is less than the low level alarm setpoint. The system also includes an alarm to replace the VaporLink 2.0 monitor and a low battery alarm.

The Evoqua Vaporlink 2.0 minimizes service interruptions and reduces personnel exposure through it's patented, six sensor design. The system will automatically isolate and place on service a new sensor on predetermined intervals, ensuring continuous and effective compliance monitoring for up to one year.



FEATURES & BENEFITS

- Site security and controller access via user passwords (when used with Link2Site program)
- Immediate alarm notification (SMS, email, phone call or all of these)
- Reports (daily, monthly, yearly) on hydrogen sulfide data log
- Widest range of alarm setpoints; unmatched by any other logger
- Sensor lifetime alarm

APPLICATIONS

- Wet wells
- Forced main discharges
- Gravity collection systems
- Headwork facilities
- Chemical scrubber inlet
- Biofilter inlet and discharge

LINK2SITE® WEB MONITORING AND CONTROL

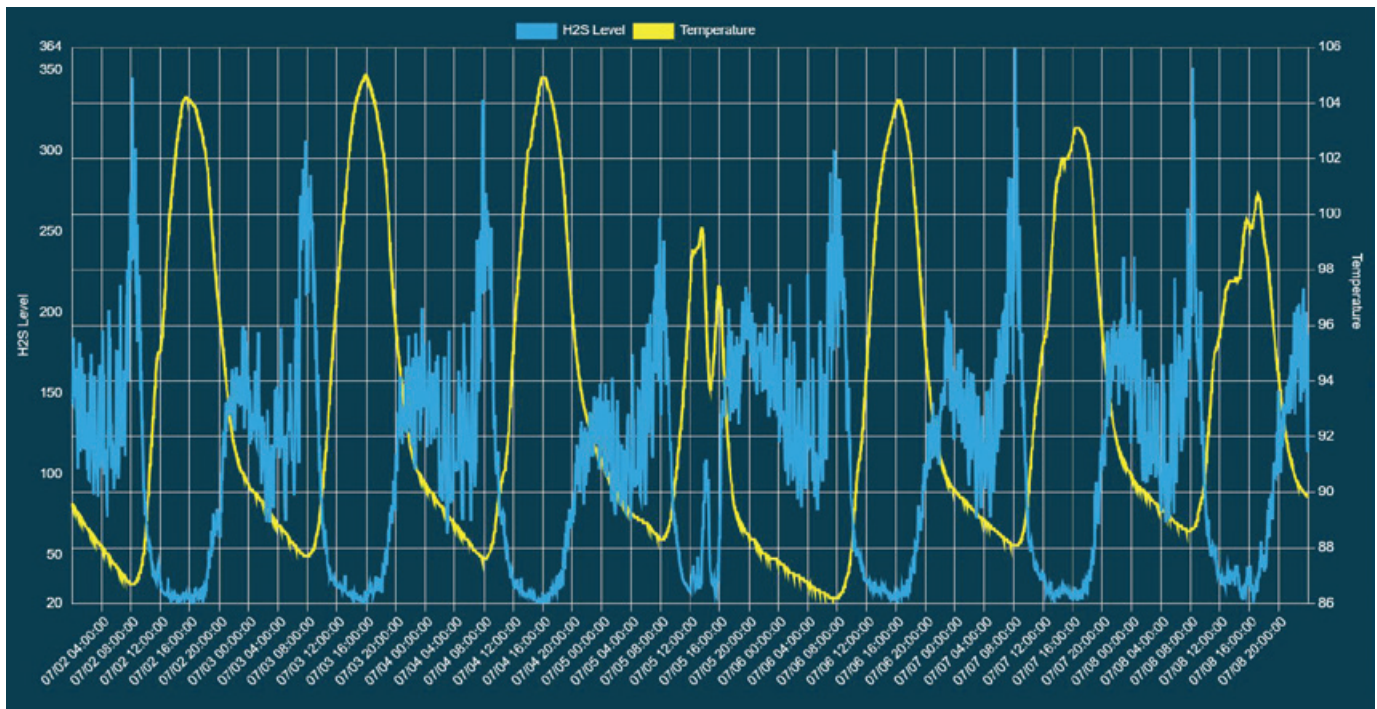
Evoqua's Link2Site platform provides operators with remote access to hydrogen sulfide data for real-time monitoring and responsiveness to changing site conditions. The Link2Site web platform interfaces with Evoqua's VaporLink® 2.0 Hydrogen Sulfide Monitor and ORCA dosing controller for comprehensive performance monitoring and dosing control.

Operators can connect to the system from any location to program dosing rates, manage inventory, set system alarms, and view and download trending graphs and charts to analyze system performance. The result is a more efficient use of chemicals, reduced labor requirements, and better odor and corrosion control.

THE EVOQUA ADVANTAGE

Evoqua provides full-service programs for odor and corrosion control. We perform a complete site investigation to determine the current H₂S profile, dosing needs, and feed rate per time of day. Once the system is set up, our technicians monitor performance for optimal efficiency. Our suite of odor and corrosion control solutions includes: air scrubber based treatment, nitrate solutions, pH shift solutions, oxidizer-treatment, iron salt treatment, and Water One® service programs with 24/7 remote monitoring and proactive service.

LINK2SITE SYSTEM OVERVIEW: ATMOSPHERIC H₂S AND TEMPERATURE DATA



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