

Sycamore CEM

Hydrogen Sulfide Continuous Emission Monitor and Integrated Sampling System

The Sycamore CEM is a flexible hydrogen sulfide gas monitoring system capable of accurately measuring H₂S concentrations as low as five parts per billion (5 ppb). Available as a one-, two-, or three-point monitoring system, it can monitor the inlet, intermediate stage and/or outlet of odor control systems using advanced OdaLog Hydrogen Sulfide Gas Logger technology. The OdaLog(s) provides continuous 4 to 20 mA real-time output. Each OdaLog is coupled with its own compact, dedicated sampling system to deliver the sample from a remote location to the instrument at the proper flow rate. The sampling system removes moisture from the sample stream and automatically purges accumulated water. An optional PID controller may be used for feedback loop control using outlet H₂S gas concentrations as the control mechanism.

Proven H₂S Monitoring of Odor Control Systems



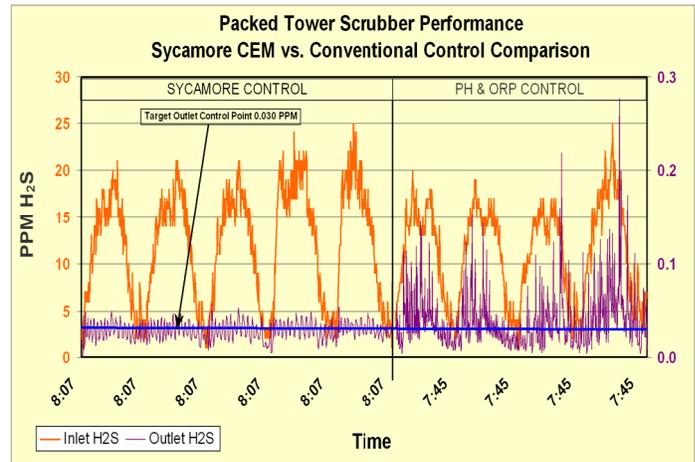
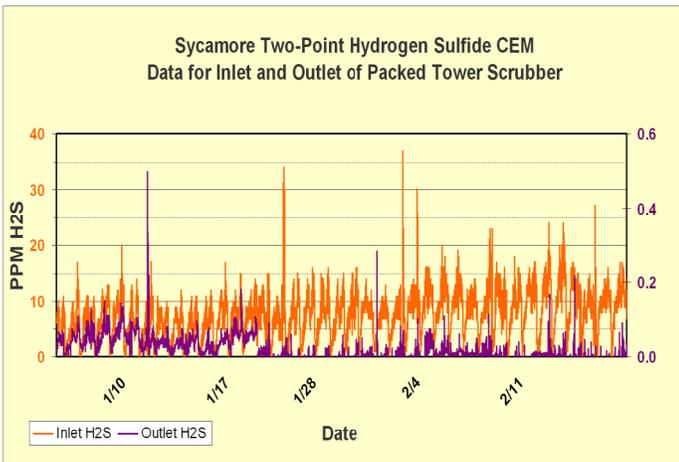
Monitors:

- Wet Scrubbers
- Carbon Adsorbers
- Biofilters
- Biotrickling Filters
- Bioscrubbers
- Headworks
- Pump Stations

2007 WEF Innovative Instrumentation Technology Award Winner

OdaLog Data

In addition to providing real-time data via a 4 to 20 mA signal, the OdaLogs also store the data in their built-in data loggers. The data can be extracted using the OdaStat software to provide a graphical format.



System Description

A choice of four ranges offers maximum flexibility. Choose from:

CEM52 monitor (5 ppb - 2 ppm)

CEM51 monitor (0 - 20 ppm)

CEM53 monitor (0 - 200 ppm)

CEM54 monitor (0 - 1000 ppm)

Features

- Proven OdaLog technology
- Provides 4 to 20 mA output
- Automatic data storage for 30,000 data points
- Easy field calibration
- Minimal maintenance with easy-to-service modular design
- Automatic moisture removal from sample stream
- Temperature-controlled fiberglass NEMA 4X enclosure
- Optional PID controller for feedback loop control



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