

## The Sycamore CEM

### Hydrogen Sulphide Continuous Emission Monitor and Integrated Sampling System

**Monitors 1, 2 or 3 points of:**

- Wet Scrubbers
- Carbon Absorbers
- Biofilters
- Biotrickling Filters

The Sycamore CEM is a flexible Hydrogen Sulphide Gas Monitoring System capable of accurately measuring H<sub>2</sub>S concentrations as low as five parts per billion (5 ppb). Configurable as a single, dual or three-point monitoring system, it can be used to monitor the inlet, intermediate and outlet of odour control systems using advanced OdaLog Hydrogen Sulphide Gas Logger technology. The OdaLog(s) provides continuous 4 to 20 milliamp real-time output.

Available as an option is a sophisticated PID controller that can use the 4-20 mA output to provide feedback loop control of chemical additions. 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 any accumulated water.



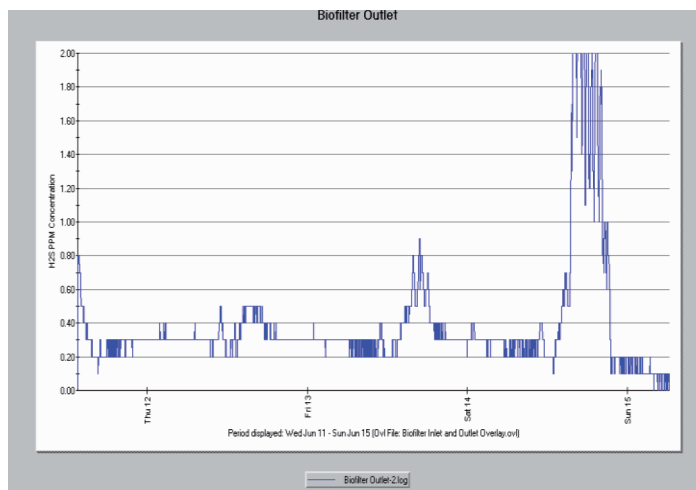
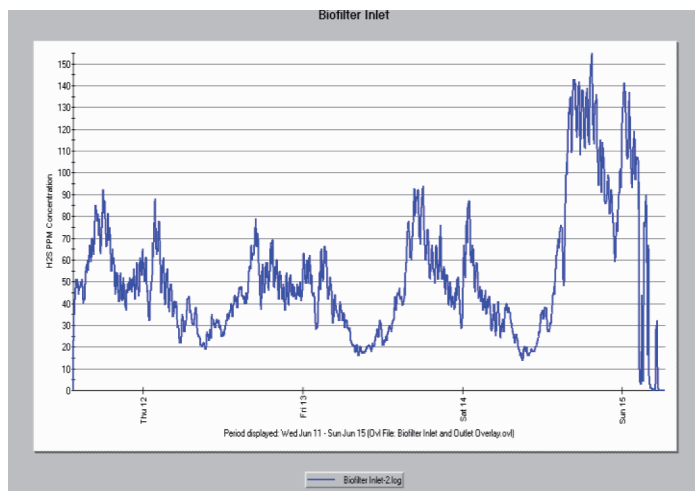
## OdaLog Data

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 OdaLog software to provide the data in a graphical format. An optional PID controller may be used for feedback loop control.

### Available as a 1, 2 or 3 point monitoring system.

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

- CEM54 monitor measures from 0 – 1000 pp,
- CEM53 monitor measures from 0 – 200 ppm
- CEM51 monitor measures from 0 – 20 ppm
- CEM52 monitor measures from 5 ppb to 2 ppm
- Each monitor provides 4 to 20 milliamp output
- Automatic data storage of 30,000 data points
- Continuous AC power
- Dual backup protection: UPS to handle brief power loss; internal battery backup of stored OdaLog data
- Moisture removal from sample stream
- Minimal maintenance
- Easy field calibration
- Temperature controlled fibreglass NEMA enclosure
- Optional PID controller for feedback loop control
- Optional air conditioning unit for hot climates
- Warranty: 12 months when used in accordance with the operation manual



preserving the environment

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