

# DiCom

## Single Point Continuous H<sub>2</sub>S Perimeter Monitor



### FEATURES

- Detection range of 5 ppb to 2 ppm
- Real-time Hydrogen Sulfide data
- 4-20 milliAmp output
- Data logging
- Digital display for field viewing

The Detection Instruments' DiCom H<sub>2</sub>S monitor is designed for continuous monitoring and recording of low level H<sub>2</sub>S emissions. The monitor is housed in a NEMA 4X weatherproof enclosure and uses advanced OdaLog technology to provide continuous real-time data. The OdaLog displays the data for field viewing, provides a 4 to 20 mA signal and also stores the data for later downloading and viewing using the OdaStat software. Small and compact, the system can easily be moved and installed at different locations. The monitor is powered by AC current and provides the 4 to 20 mA signal to a central location.

### APPLICATIONS

- Perimeter monitoring
- Nuisance odor monitoring
- Remote air monitoring
- Ambient air analysis
- Regulatory compliance

### OPTIONAL ACCESSORIES

- Wireless module with antenna
- Solar power
- Wind speed and direction monitoring
- Central computer and FlexiMonitor software to accept data from 1 to 100 systems
- Field calibration gas kit to calibrate at 1.0 ppm, and for bump tests

The system is simple to operate and can be calibrated in the field with our calibration gas kit. The calibration procedure takes approximately fifteen minutes to complete.

In cases where AC power is not available, we offer a solar panel with back up battery to power the system. An optional anemometer measures wind speed, direction, and outside temperature. A wireless module with antenna can transmit the data to the FlexiMonitor software located on a central computer. The software can accept data from up to 100 systems.

**DETECTION**  
**INSTRUMENTS**  
*Corporation*

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The DiCom single point continuous H<sub>2</sub>S Perimeter Monitor provides real-time data via a 4 to 20 milliAmp signal, RS-232, or RS-485 output. Hydrogen Sulfide and temperature data can also be stored and viewed using OdaStat software. An optional wireless module with antenna allows the data to be transmitted to the FlexiMonitor software located on a central computer which can monitor up to 100 systems. An optional anemometer can be coupled with the system to monitor wind speed and direction.

## **SYSTEM SPECIFICATIONS**

Maintained temperature range	Minimum 40° F
Power	115 VAC, single phase, 25W
Communications Parameters	Passive 4/20 mA loop, RS-232, or 485 output
Enclosure	NEMA 4X, locking
Dimensions	20 x 16 x 8
Weight	24 pounds

## **INSTRUMENT SPECIFICATIONS**

Monitoring Device:	OdaLog CEM 52
Resolution:	0-.001 ppm
Measurement Range:	0.005 - 2.00 ppm
Precision:	5% Relative Standard Deviation
Accuracy:	+/- 5 ppb below 0.1 ppm; +/- 5% from 0.1 - 2 ppm
Flow Rate:	0.15 lpm
Logging Frequency:	10 to 60 minutes, user selectable
Memory Capacity:	30,000 data points
Output:	4 to 20 milliAmp
Weight:	2 pounds
Warranty	One year, factory parts and labor



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