

# Inline Odour Monitor



The Inline Odour Monitor has been designed to indicate failure of odour control plant operation. The system incorporates an electrochemical cell sensor inserted directly into the stack. An air-purge system that is controlled by the monitor is used to remove condensation from the face of the special sensor thus removing the need to extract and condition the sample. Standard range 0 - 1 ppm (1,000 ppb) with first level alarm set at 500 ppb. Calibrated for Hydrogen Sulphide but is cross sensitive to Mercaptans. Zone 2 approved and supplied with 2 off volt free contacts for alarm.

## FEATURES AVAILABLE

- Suitable for Zone 2 classified gas streams
- Analogue 4–20 mA signals available for high ppm versions
- Volt free contact for alarm levels
- Text messaging fault conditions (see Wireless Communications brochure)
- UPS options available

## FACILITIES AVAILABLE

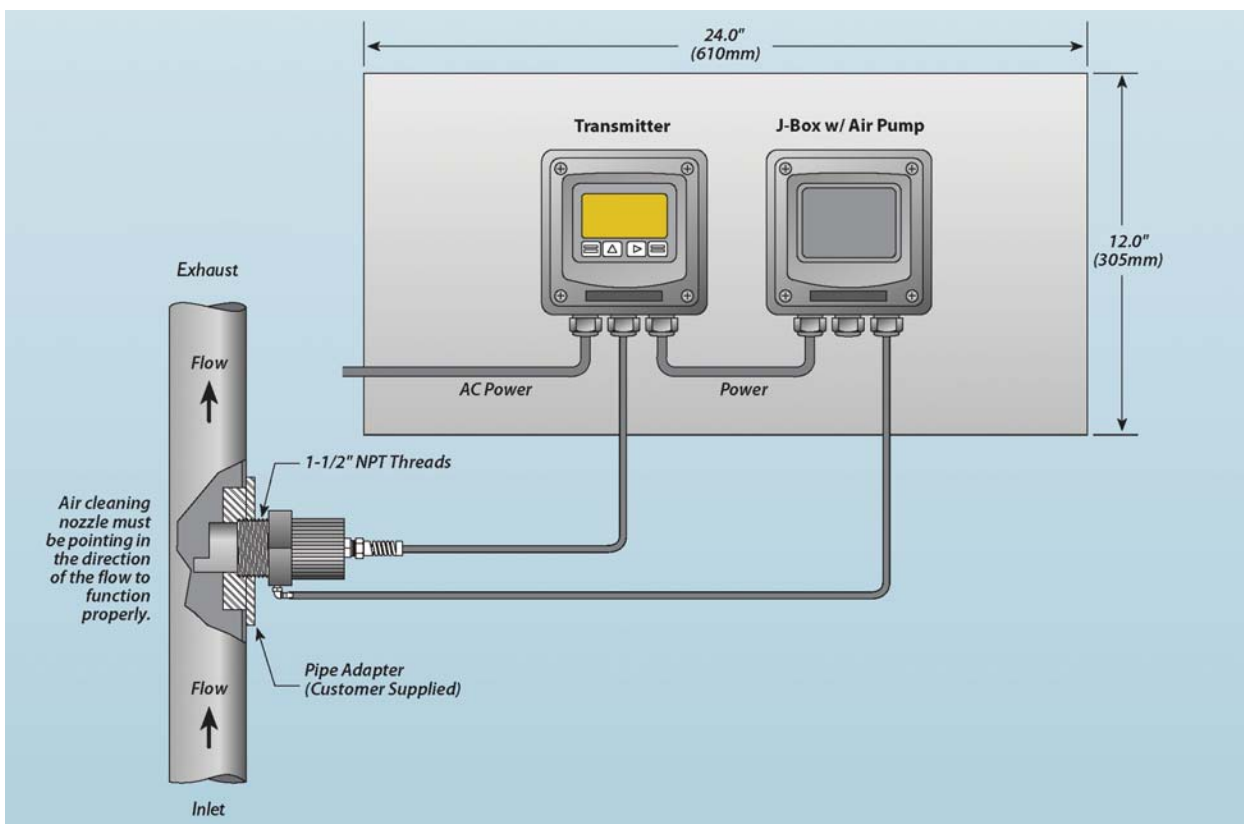
- Design
- Manufacture
- Installation
- Delivery
- Commissioning
- Demonstration
- Training
- Servicing
- Hire



## Inline Odour Monitor

### SYSTEM SPECIFICATIONS

- Gas Type: Hydrogen Sulphide.
- Sensor Type: Special wet gas sensor design.
- Display: 0-1 PPM, 0-20 PPM, 0-200 PPM (programmable).
- Response Time: 90% in 120 seconds.
- Accuracy: Generally  $\pm 10\%$  of value, but limited by available calibration gas.
- Sensitivity: 0.1 PPM minimum.
- Zero Stability:  $\pm 0.04$  PPM.
- Electronic Linearity:  $\pm 0.5\%$ .
- Span Drift: Dependent on operating environment but generally less than 3% per month.
- Analog Output: Isolated 4-20 mA, 575 ohms max (only used on 0 – 20 and 0 – 200 ppm applications).
- Power: 115 or 230 VAC, 50/60 Hz., 5 VA max.
- Optional: 9 VDC battery-powered with data logger.
- Alarm Relays: Two SPDT, 5 A @ 230 VAC resistive.
- Relay Coil: Programmable either normally energized or normally de-energized.
- Enclosure: Nema 4X Polycarbonate, wall, pipe, or panel mounted.
- Controls: 4 membrane switches on front of monitor.
- Operating Temperature:  $-20^{\circ}$  to  $+50^{\circ}\text{C}$ .
- Operating Pressure:  $-0.2$  to 10 PSIG.
- Weight: 4 Lbs (1.8 Kg).



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