

Outlet Paper Tape Hydrogen Sulphide Monitoring System



These systems have been designed for the continuous monitoring of Hydrogen Sulphide (H_2S) levels within the Outlet stack after odour control equipment on Waste Water Treatment Works. Standard ranges of instruments are 0–90 ppb, 0–500 ppb or 0–1500 ppb (H_2S).

FEATURES AVAILABLE

- Sampling and conditioning equipment
- Suitable for Zone 1 or Zone 2 classified outlet stack gas streams
- Analogue 4–20 mA signal
- Volt free contact for flow failure
- Text messaging fault conditions (see Wireless Communications brochure)
- Viewing window
- Security key lockable cabinet versions
- Frameworks for floor or wall mounting

FACILITIES AVAILABLE

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



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SYSTEM SPECIFICATIONS

- System can be configured to operate from either 110V or 240V mains supply.
- Standard cabinet is supplied IP66 rated in GRP; cabinets with viewing window are also supplied in GRP and rated to IP56.
- Single analogue 4–20 mA signal proportional to range.
- Proven sample line length up to 100 metres using specialist tubing.
- Optional flow failure facility on sample pump (VFC).
- Optional text messaging of alarm and fault conditions – subject to suitable network coverage.
- Optional security key lockable cabinet.
- Hot dip galvanised frameworks for floor or wall mounting.
- Dilution system option for high levels of gas.
- Pumped system to counter the issues related with differential pressure systems caused by changes in flow and pressure.
- Calibrated to H₂S and is not cross sensitive to other gases.
- Standard system to be serviced every 4 months. This may reduce based on site conditions or may increase if our dilution system has been included.
- Standard instrumentation cabinet 800 x 600 x 300mm.
- Standard hotbox dimensions 560 x 380 x 180mm.
- Safety systems installed to meet HSE judgement on ATEX Directive for Zone 1 and Zone 2 gas stream applications.
- Standard systems can be easily modified for multi gas applications or to meet specific site requirements as necessary.
- Standard ranges available 0 – 90 ppb; 0 – 500 ppb; 0 – 1500 ppb and 0 – 20 ppm for Hydrogen Sulphide.

