

Boundary Hydrogen Sulphide and/or Odour Monitoring Systems



These systems have been designed for the continuous monitoring of Hydrogen Sulphide (H_2S) and/or other 'odours' on the boundaries of Waste Water Treatment Works. These systems can be used as point of detection units or we can engineer sequential sampling various points around the boundary to a single unit. Systems can be hard wire mains operated with hard wire communication to SCADA systems, or solar panel powered and radio link wireless communication to SCADA.

FEATURES AVAILABLE

- Sampling and conditioning equipment for damp locations
- Sampling from Zone 1 or Zone 2 classified areas
- Analogue 4–20 mA signals
- Volt free contacts for flow failures
- Text messaging fault conditions (see Wireless Communications brochure)
- Viewing window option
- Security key lockable cabinet versions
- Optional kiosk supply

FACILITIES AVAILABLE

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

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SYSTEM SPECIFICATIONS

- Standard system can be configured for either 110V or 240V mains supply. Solar power options are available upon request.
- Standard cabinet is supplied IP66 rated in GRP; cabinets with viewing window are also supplied in GRP and rated to IP56.
- Single analogue 4–20mA 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 mounting.
- System can incorporate Jerome, Paper Tape or UV technology (solar power not available with UV technology).
- Standard system to be serviced every 6 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.
- Kiosk dimensions available upon request to suit application.
- Safety systems installed to meet HSE judgement on ATEX Directive to enable sampling from Zone 1 and Zone 2 areas.
- Standard systems can be easily modified for multi gas applications or to meet specific site requirements as necessary.
- Standard ranges available low ppb for Hydrogen Sulphide and/or odours.

