



2-wire loop powered toxic and oxygen gas detector for use in potentially explosive atmospheres

Series 3000 MkII



Reliable detection

- Proven electrochemical sensing technology
- Uses Surecell™ electrochemical cells, ideal for hot and humid environments
- Long life sensing elements (typical >2 years)
- Patented 'Reflex' sensing element verification diagnostics

Reduced installation costs

- Universal mounting bracket included, supplied as standard
- Explosion proof transmitter allows field wiring to be run along with other non IS instruments
- Plug-in sensor removes wiring

Reduced commissioning costs

- Sensor recognition software auto configures transmitter
- Non-intrusive configuration
- Plug and play factory configured sensors

Reduced maintenance costs

- IS sensor connection permits hot swap, reducing down time
- User programmable calibration frequency
- Integral fault diagnostic software
- Menu/icon driven calibration procedure
- IP 66 rated to protect against dust/water ingress

Regulatory compliance

- US (UL)
- Canadian (cUL/CSA)
- International (IECEX)
- European (ATEX)

Range of optional accessories

- Remote sensor mounting kit
- Duct mounting kit (for H₂, CO and H₂S only)
- Calibration cup to apply test gas
- Collecting cone (for H₂ and CO only)

Typical applications

- Exploration and drilling platforms
- Production platforms
- Onshore oil and gas terminals
- Refineries and chemical plants
- Power plants
- Waste water facilities
- Utilities

The Series 3000 MkII provides comprehensive monitoring of toxic and oxygen gas hazards in potentially explosive atmospheres, both in and out of doors. This low powered gas detector operates on an industry standard 2-wire 4-20mA loop, making it ideal for both new and retrofit applications. Users can configure the detector without the need of a 'hot work permit' by using the LCD and magnetic switches. Fault diagnostic software and configurable calibration intervals simplify maintenance procedures.



The Intrinsically Safe smart sensors are supplied pre-configured and can be 'hot swapped' without having to remove power to the detector, saving time and money during commissioning and routine servicing. A remote sensor mounting kit is available that allows the sensor to be mounted up to 50' (15m) from the transmitter, making it ideal for operation in areas that are difficult to access.

Series 3000 MkII is supplied with all necessary accessories for easy installation. The detector can be mounted on a wall or support pole using the universal bracket provided. Electrical installation can be made using either conduit or cable with suitable mechanical protection. A 3/4" NPT entry and M20 adapter are included as standard. A weatherproof cap is also included for use in the harshest outdoor conditions.

Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

DS01106_V1 8/10
© 2010 Honeywell Analytics

Honeywell