



MIR-IS

Infra-Red Gas Filter Correlation



“ Provides the benefits of in-situ analyser with the performance of an extractive system ”

Based on the MIR-9000, the in-situ multi-gas MIR-IS is a compact extractive monitoring system, providing fast response & close coupled measurements

Complete CEMS Solution in One Enclosure

For multi-gas monitoring, in less than 40 milliseconds, the MIR-IS monitors each selected gas by Infra-Red Gas Filter Correlation principle. This technology eliminates cross sensitivity from other present gases and provides high accuracy. The MIR-IS monitors temperature, flow and pressure which is integrated into the sample extraction probe.

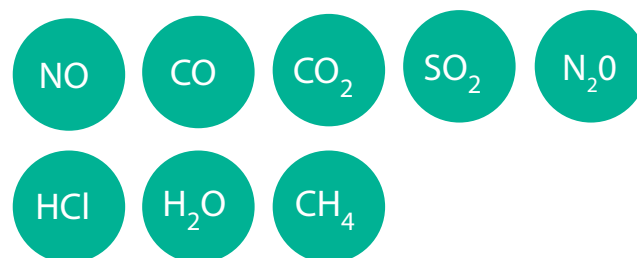
Complies With the Industrial Emissions Directive

Designed to operate under the Industrial Emissions Directive (IED), the MIR-IS offers maximum availability and complete compliance with QAL 1 of EN14181 & EN15267-3.

Remote Control & Data Acquisition

A dedicated microprocessor handles the acquisition and then computes the data. The data can then be exported to a1-cbiss Data Acquisition Software (CDAS)

Gases analysed



KEY BENEFITS

- Ease of installation: single stack entry, sample line not required
- Fast response for process control
- Auto calibration check capability
- The Infra-red technology eliminates cross sensitivity from other present gases and provides high accuracy
- MCERTS Certified

Technical Specification

GENERAL

- In-situ multi-gas monitoring system
- IED compliant
- Internal data logger
- Optional; flow, temperature and pressure monitoring

APPLICATIONS

- Industrial boilers & furnaces
- Chemical & petrochemical plants
- Upstream / downstream gas treatment
- Process control

PHYSICAL

- Dimensions: 200 x 600 x 600mm (DxWxH)
- Probe length: 700 x 1000 x 1500mm
- Weight: 50kg approximately

PERFORMANCE

- Number of gases monitored: up to 10
- External analog inputs: 7
- Operating temperature: -15°C to +50°C
- Data storage: last 3000 averages
- Digital output: RS232/422, Ethernet
- Power: 115/230VAC, 50/60Hz, 700VA

CERTIFIED RANGES

- NO: 0-100mg/m³ - 0-500mg/m³
- N₂O: 0-20mg/m³ - 0-200mg/m³
- CO: 0-75mg/m³ - 0-500mg/m³
- CO₂: 0-25%
- SO₂: 0-75mg/m³ - 0-200mg/m³
- HCl: 0-15mg/m³ - 0-100mg/m³
- CH₄: 0-10mg/m³ - 0-200mg/m³
- O₂: 0-10% - 0-25%

SPAN & DRIFT

- Repeatability: ± 2% of full scale
- Zero drift: ± 2% of full scale/30 days
- Span drift: ± 2% of full scale/30 days
- Linearity: ± 1% of full scale
- Lowest detectable limit: ± 2% of full scale

COMPLIANCE

- MCERTs certified to EN15267-3
- QAL1 as defined by EN14181
- QAL3 compliance to EN14181