



MIR9000CLD

Multi-Gas Infrared GFC Analyser



The MIR9000CLD option utilises Standard Reference Method (SRM) for the monitoring of NO, N₂O, NO₂, NO_x, CO, CO₂, SO₂ and O₂.

3 Monitoring Technologies for High Accuracy at Low Levels

The MIR9000CLD analyser is a free standing monitoring system that incorporates three monitoring technologies; Chemiluminescence for low level NO_x, Infra-Red Gas Filter Correlation for CO, CO₂ etc and Paramagnetic for O₂.

Assists In Achieving IED Compliance

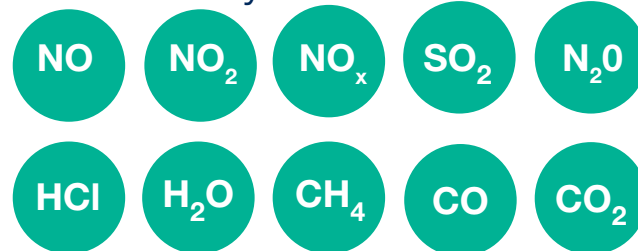
Designed to operate under the Industrial emissions directive, the MIR9000CLD offers maximum availability and complete compliance

Leading Edge Technology

Complete systems would normally comprise of;

- Sample extraction and conditioning probe (with integrated temperature, pressure and flow measurement)
- Heated sample lines
- Cold sample lines
- Automatic calibration units
- Instrument air drying system
- a1-cbiss Data Acquisition Software (CDAS)

Gases analysed



“The CLD Option makes the MIR9000 the ideal tool for monitoring low concentration levels of NO_x”

KEY BENEFITS

- Chemiluminescence Standard Reference Method for low & ultra low NO_x
- Measures dry & corrosive samples
- Fast & simultaneous measurements of up to 10 gases
- Automatic cross interference correction
- Dry-basis measurement technique
- MCERT & TÜV compliant

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: 30kg 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
- 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

- Expert consultancy
- Project management
- In-house project design & build
- Installation & commissioning
- After product service & support

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Rev 2.1 May 18

