



MIR 9000H

Heated Infrared GFC



Using the heated Infra-Red Gas Filter Correlation technology, the MIR 9000H is a perfect multi-gas analyser for multiple applications, including DeNOx (SCR/SNCR).

The MIR 9000H is used to determine the ammonia content of air in industrial applications. Using a sampling line and a gas chamber, it provides precise measurement of NH_3 and H_2O .

Available in 2 versions the MIR 9000H can provide continuous measurement of; NH_3 and H_2O or CO , CO_2 , NO , NO_2 , SO_2 , HCl , HF , O_2 in addition to NH_3 and H_2O .

Strong & Robust to IP66 Rating

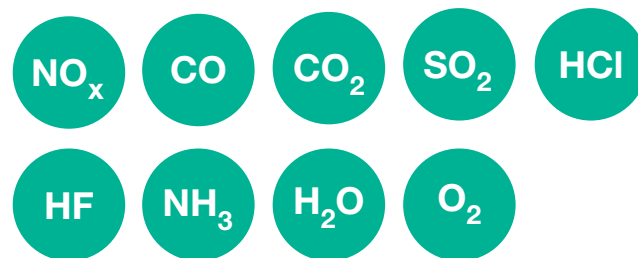
The MIR 9000H is housed in a stainless steel 1P66 enclosure, providing accurate monitoring in the harshest environments such as; NH_3 leaks in ammonia refrigeration facilities and upstream and downstream DeNOx processes.

Data Collection, Processing & Visualisation

Equipped with a USB and a powerful Ethernet connection, the MIR 9000H easily connects to a PC or laptop to provide updates, data recovery and maintenance. Using a1-cbiss data acquisition software (CDAS), this analyser provides automatic reports to meet customer specific requirements

“Durable heated analyser that provides real-time analysis and monitoring of ammonia”.

Gases analysed



KEY BENEFITS

- Designed to measure wet and corrosive sample
- Perfectly suited for ammonia slip detection
- Reproducible and accurate, fast response time
- Acquisition and integration of 5 additional measurements
- Remote access for maintenance and configuration backup
- Graphic LCD screen, with interactive menu driven software

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

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

Gas ranges

- NO_x: 0-200 / 5000 mg/m³
- CO: 0-75 / 10 000 mg/m³
- CO₂: 0-15 / 100 %
- SO₂: 0-500 / 5000 mg/m³
- HCl: 0-100 / 5000 mg/m³
- HF: 0-40 / 300 mg/m³
- NH₃: 0-15 / 500 mg/m³
- H₂O: 0-30 / 40 %
- O₂: 0-10 / 25 %

Physical

- Rack : 4U, 19" (Ongoing)
- Tight box: 600 x 265 x 450 mm (L x W x H)
- Rack weight: 20 kg approx (Ongoing)
- Tight box weight: 24kg

Span & Drift

- Repeatability : < 2% of Full Scale (F.S.)
- Zero/Span drift : 2% F.S. / 30 days
- Linearity: less than ± 1 % F.S.

Complete Project Solutions

Our complete project solutions are developed to assist you in IED compliance.

We achieve this through:

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

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