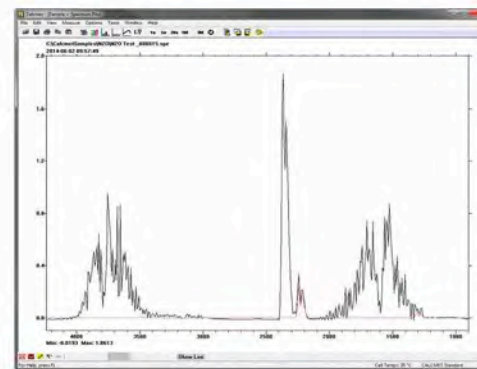
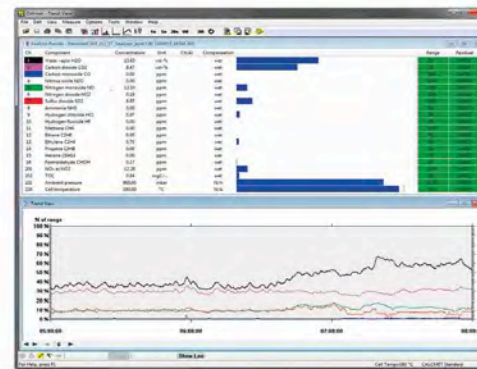
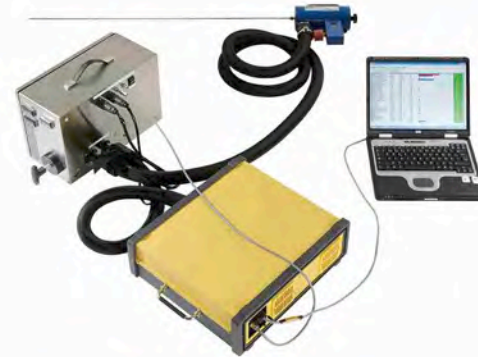


GASMET DX4000 FEATURES

FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR) ANALYSIS

- MCERTS and EN 15267-3 certified
- Standard 16 gas calibration includes H₂O, CO₂, CO, NO, NO₂, N₂O, NH₃, SO₂, HCl and may be extended to up to 50 gases
- Cross-interferences automatically compensated for in the analysis
- Possibility to store sample spectra for post-measurement analysis with Laptop PC and Calcmet Pro (5000+ compound chemical library available for identification of unknowns)



The Gasmet DX4000 is used with a standard laptop computer and Calcmet software, which provides visualization of results, IR spectra and time trends. It controls the gas analyzer and sampling unit, and has support for analog and fieldbus I/O. All measured data is stored on the laptop computer and recorded spectra can be re-analyzed later. Advanced features in 'Calcmet Pro' allow identification of unknowns with the Advanced Library Search tool. Calcmet Pro also contains mathematical tools such as peak area integration and automated calculation of analytical uncertainty (US EPA Test Method 320).

LOW OPERATING COSTS AND RUGGED CONSTRUCTION

- No sensors or other parts that would need replacing on regular basis
- Corrosion and contamination resistant materials
- Minimal calibration requirements; only zero calibration with nitrogen or air

QUICK TO SET-UP AND EASY TO USE

- Hot/wet extractive sampling without dilution or drying
- All parts weigh less than 20 kg, portable
- Calcmet software controls FTIR, sampling unit and optional I/O interface

Gasmet™
Advanced Solutions for Gas Monitoring.

Gasmet Technologies Oy
Pulittie 8 A, 00880 Helsinki, Finland
Tel. +358 9 7590 0400 Fax +358 9 7590 0435
e-mail: contact@gasmet.fi
www.gasmet.fi

GASMET TECHNOLOGIES HAS BEEN LEADING THE WAY IN BRINGING THE ADVANCED FTIR – MEASUREMENT TECHNOLOGY TO ON-LINE & ON-SITE GAS MONITORING APPLICATIONS, SUCH AS CONTINUOUS EMISSIONS MONITORING IN WASTE INCINERATORS AND STACK TESTING. GASMET TECHNOLOGIES IS COMMITTED TO PROVIDE OUR CUSTOMERS WITH THE BEST POSSIBLE SUPPORT THROUGH OUR EXTENSIVE NETWORK OF REPRESENTATIVES.

Gasmet™
Advanced Solutions for Gas Monitoring.

GASMET DX 4000

- UNIQUE PORTABLE CERTIFIED FTIR MULTIGAS MONITORING SYSTEM
- PROVEN RELIABILITY
- WORLDWIDE SUPPORT
- LOW OPERATING COSTS
- PRECISE MEASUREMENTS
- COMPLETE SYSTEM FROM ONE MANUFACTURER
- FUTURE PROOF

The Gaset DX4000 FTIR Gas Analyzer is one of the most powerful tools available for emissions and process gas analysis.

ALL-IN-ONE PORTABLE GAS ANALYZER

The Gaset DX4000 FTIR gas analyzer can detect up to 50 gases simultaneously in hot, wet, corrosive sample streams, providing validated results in less than a minute. Fourier Transform Infrared Spectroscopy (FTIR) provides reliable measurements with low detection limits and true multi-compound analysis capability. The library of measured gases can be changed by the user through an easy to use interface, providing exceptional flexibility and the ability to analyze even the most demanding gas mixtures from a variety of industrial processes.

EN 15267-3 certified for emissions monitoring as a CEMS (MCERTS), the DX4000 can be used to analyze a wide range of pollutants from stack emissions. Gas analysis with the DX4000 and the Gaset Portable Sampling System is easy; sample gas is transported through heated sample lines and a hot pump (180 °C) and particle filters. The Gaset DX4000 operates continuously, measuring time-weighted averages of user definable length from 1 second to 5 minutes. Zero calibration with clean air or nitrogen is the only calibration required; carrier gases, special test gases or other consumables are not needed.

USER FRIENDLY

The Gaset DX4000 analyzer comes with advanced Calcmet software and a factory calibrated analysis library. The software provides a single user interface for the FTIR, sampling unit and spectral analysis. Short warm-up time and simple zero calibration using nitrogen save time in on-site measurements. Built-in safety features and a heated sampling system enable the reliable measurement of hot, wet and corrosive gases.



HOT WET SAMPLING

The Gaset DX4000 is used with a heated Portable Sampling System, heated PTFE sample lines and a portable probe to ensure representative measurement of water soluble and reactive gases with no analyte loss and fast response times. As an option, the sampling system can be equipped with an Oxygen sensor.



APPLICATIONS

1. Stack testing: RATA / QAL2 tests for HCl, NH₃, SO₂, NO_x and other gases
2. Scrubber and catalyst efficiency tests
3. Combustion and engine R&D
4. PFC emissions at Aluminum and Semiconductor plants
5. Carbon capture and sequestration
6. Formaldehyde emissions from biogas