



Gasmeter™

Advanced Solutions for Gas Monitoring.

Gasmeter DX4030

Portable Air Analyzer

- User friendly
- Rugged construction
- True multi-gas analysis
- Identification of unknown gases
- No span calibrations required

Gasmet DX4030 — Bring the Laboratory to the Site.



ONE ANALYZER, MULTIPLE APPLICATIONS:
*The advanced analysis capabilities of Gasmet
DX4030 make it suitable for many different
measurements.*

Gasmet DX4030 multi-component gas analyzer can detect up to 25 gases simultaneously providing validated results in less than 30 seconds. This is made possible with the means of FTIR (Fourier Transform Infrared Spectroscopy), which provides nearly instantaneous measurements **with low detection limits & true multi-compound analysis capability**. Furthermore, an internal calibration is run simultaneously with the sample measurement – there is no need for any span calibrations.

Also, with the Gasmet DX4030 no sample preparation is needed; the sample gas is drawn into the analyzer with a built-in pump through a particle filter. Unlike some other portable FTIR's, the Gasmet DX4030 **does not require to pre-concentrate the sample with a thermal desorption tube**. This ensures nearly instantaneous response times. Gasmet DX4030 **can be used both in a backpack and table-top configuration**. The user can

move freely in the measurement site and record concentrations at different locations.

The Gasmet DX4030 also features an easy-to-use PDA (Personal Digital Assistant) user interface with the Calcmeter Lite software. The analyzer module and the PDA communicate via wireless Bluetooth protocol. Analysis results of up to 25 compounds are shown literally with a touch of a button on the screen of an industrial grade PDA and can be easily transferred to a PC with USB connection.

Optionally, the measured spectra can be transferred to *Calcmeter™ DX4030 Pro* software for further analysis with the *Gasmet™ Reference Library*, which contains IR spectrum of 250 different gases (quantitative identification). Also available is the *Gasmet™ Extended Reference Library* with a total of 5224 IR spectra, which makes it an excellent tool for identification of unknown compounds from a sample (qualitative identification).

APPLICATION AREAS

Industrial Hygiene

- Workplace Air Quality measurements of Volatile Organic Compounds (VOCs) for regulatory compliance testing.

Leak detection

- VOCs, Freons, inorganic gases – all with just a single analyzer.

Hospitals

- Detection of anesthetic gases in operating theatres & recovery rooms.
- Monitoring of sterilizer gases & laboratory solvents.



Cargo Containers

- Detection of residual fumigants, VOCs.

First Responders & HAZMAT teams

- Identification & Quantification of Toxic Industrial Chemicals (TICs) and Chemical Warfare Agents (CWAs).



Gasmet DX4030 features:

Fourier Transform Infrared Spectroscopy (FTIR) analysis

- Identification of both organic & inorganic compounds
- Multi-compound analysis as standard (max. 25 compounds analyzed simultaneously with *Calcmeter Lite*)
- Cross-interferences automatically compensated for in the analysis
- Possibility to store sample spectra for post-measurement analysis with Laptop PC and *Calcmeter Pro* (5224 compound chemical library available for identification of unknowns)
- Low levels of detection and quantification

Low operating costs and rugged construction

- No sensors etc. that would need replacing on regular basis
- Corrosion & contamination resistant materials
- Calibration checks are not needed; only zero calibration with nitrogen or air

Quick to set-up and straightforward to use

- Absolutely no sample preparation needed
- Battery operated with several hours of operating time
- Truly portable – the user can move freely in the measurement site.

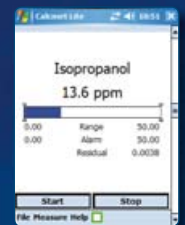
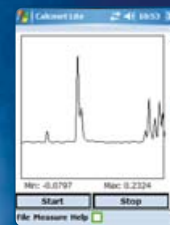
GASMET TECHNOLOGIES HAS BEEN LEADING THE WAY IN BRINGING THE ADVANCED FTIR MEASUREMENT TECHNOLOGY TO ON-LINE & ON-SITE GAS MONITORING APPLICATIONS, SUCH AS CONTINUOUS EMISSIONS MONITORING IN WASTE INCINERATORS AND STACK TESTING. GASMET TECHNOLOGIES IS COMMITTED TO PROVIDE OUR CUSTOMERS WITH THE BEST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

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READY FOR ACTION:
The Gasmet DX4030 comes standard equipped with a sturdy backpack.

Component	Range	Unit
Water vapor H2O	0.00	ppm
Carbon dioxide CO2	0.00	ppm
Carbon monoxide CO	0.00	ppm
Methane CH4	0.00	ppm
Ammonia NH3	0.00	ppm
Ethanol C2H5OH	0.00	ppm
Ethanol CH3CH2OH	0.00	ppm
Isopropanol C3H7OH	0.00	ppm
Acetone CH3COCH3	0.00	ppm
Methanol CH3OH	0.00	ppm
NO2	0.00	ppm
VO2	0.00	ppm
VO2	0.00	ppm



SOFTWARE: Gasmet DX4030 is standard equipped with an IP67 rated PDA and Calcmeter Lite software. The software does not require user to have any experience with analytical instrumentation, as all basic operations can be accessed with simple push buttons on the screen. All measured data is stored on the PDA and is readily available for post-measurement processing.

FOR MORE INFORMATION, PLEASE CONTACT
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