



**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 back-pack 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. The results 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.

With the standard library, the Gasmet DX4030 is capable of detecting 15 different gases simultaneously. Optionally, ten more gases can be added (for a total of 25). The capabilities of the analyzer can be further enhanced with the *Calcmeter Pro* -software, which gives the user the access to a **reference library of 250 gases**. This is especially useful in situations where unknown gases are encountered.

## APPLICATION AREAS

### Industrial Hygiene

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

### Cargo Containers

- Detection of residual fumigants, VOC's.

### Leak detection

- VOC's, 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.



### Soil gas measurements

- Monitoring chlorinated hydrocarbons and BTEX at remediation sites.

### First Responders & HAZMAT teams

- Identification & Quantification of Toxic Industrial Chemicals (TIC's) and Chemical Warfare Agents (CWA's).



# 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* (250 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

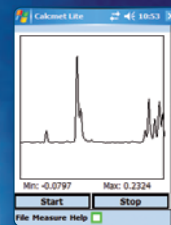
## Quick to set-up and straightforward to use

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



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

Component	Range	Unit
Water vapor H2O	0.52	ppm
Carbon dioxide CO2	4.7	ppm
Carbon monoxide CO	0.00	ppm
Methane CH4	1.00	ppm
Ammonia NH3	0.58	ppm
Ethylene C2H4	0.00	ppm
Ethanol C2H5OH	9.91	ppm
Formaldehyde HCHO	0.00	ppm
Nitrous oxide N2O	0.10	ppm
Acetylene C2H2	0.00	ppm
Hydrogen cyanide HCN	0.00	ppm
Isobutane C4H10	0.00	ppm
VOI CH4/N2/NO2	0.00	ppm



Isopropanol	
13.6 ppm	
0.00	Range 50.00
0.00	Alarm 50.00
	Residual 0.0038

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.

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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