

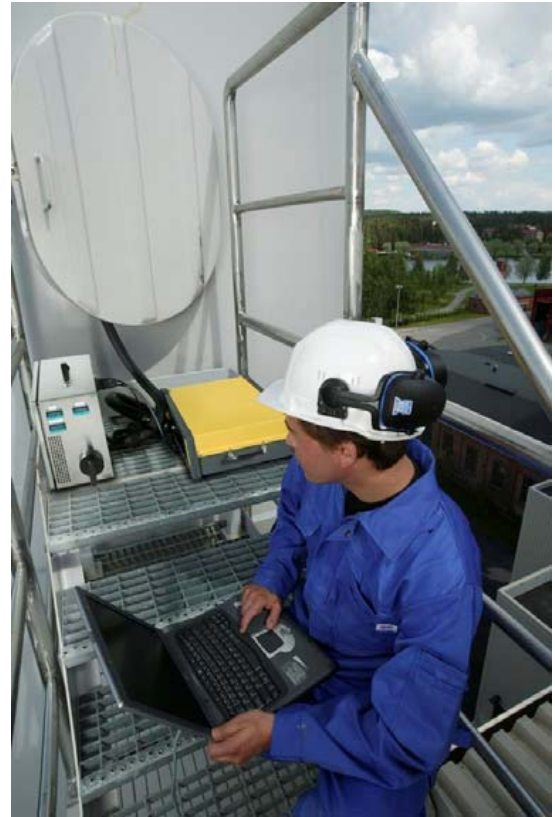
GASMET™ in Emissions Monitoring Applications

Stack Testing & Stationary Source Monitoring

The portable **Gasmeter™** DX-4000 measuring system is an ideal tool for stack testing. Just a single analyzer can be used to measure almost all criteria pollutants. The fast setup time and simple operational procedure saves a significant time and effort in the field.

Some key benefits of the Gasmeter™ portable measuring system include:

- Small Light weight analyzer and sampling system
- Simple Windows based operating software
- Very low maintenance
- All measurement data is stored on a computer, allowing full post-measurement processing of the data
- The same system can be used in many different applications.
- Fully compliant with EPA references methods



The **Gasmeter™** portable measuring system:

- Gasmeter™ Dx-4000 gas analyzer
- Gasmeter™ portable Sampling Unit
- Portable Sample Probe
- Sample Lines

All parts that are in contact with the sample gas can be heated to 200 °C



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Applications:

A typical stack test would continuously measured the

<i>Component</i>	<i>Formula</i>	<i>Typical Ranges</i>
Water vapor	H ₂ O	0-40 %
Carbon dioxide	CO ₂	0-30 %
Carbon monoxide	CO	0-100, 1000, 5000, 10,000 ppm
Nitrogen monoxide	NO	0-100, 1000, 5000, 10,000 ppm
Nitrogen dioxide	NO ₂	0-100, 1000, 5000, 10,000 ppm
Nitrous oxide	N ₂ O	0-100, 1000, 5000, 10,000 ppm
Sulfur dioxide	SO ₂	0-100, 1000, 5000, 10,000 ppm m
Methane	CH ₄	0-100, 1000, 5000, 10,000 ppm
Ammonia	NH ₃	0-10, 100, 500 ppm
Hydrogen fluoride	HF	0-10, 100, 500 ppm
Hydrogen chloride	HCl	0-10, 100, 500 ppm



following components:

One of Gasmeter's outstanding advantages is the capability to measure several additional components, which can easily be added into the analysis settings. Some typical examples:

<i>Group</i>	<i>Examples</i>	<i>Application area</i>
Hydrocarbons	Methane, Ethane, Acetylene	Combustion efficiency
BTEX	Benzene, Toluene, Ethylbenzene, m-, o- and p-Xylene	Combustion and Pyrolysis processes
Aldehydes & Ketones	Formaldehyde, Acetaldehyde, Acrolein,	natural gas, wood products cement industry
Non-organic compounds	Ozone Chlorine dioxide Hydrogen cyanide (HCN)	Incinerators, pulp and paper, waste incineration
Flourines & Chlorines	CF ₄ , C ₂ F ₆ , Freons, NF ₃	Aluminum, Semiconductor