

## Portable Gas Analyzers

[Frontpage \(https://www.gasmet.com/\)](https://www.gasmet.com/) [Products](#) [Portable Gas Analyzers](#)

[Emission Monitoring Systems \(https://www.gasmet.com/products/category/emission-monitoring-systems/\)](https://www.gasmet.com/products/category/emission-monitoring-systems/)

[Portable Gas Analyzers \(https://www.gasmet.com/products/category/portable-gas-analyzers/\)](https://www.gasmet.com/products/category/portable-gas-analyzers/)

[Other Products \(https://www.gasmet.com/products/category/other-products/\)](https://www.gasmet.com/products/category/other-products/)

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*A portable gas analyzer is a compact instrument that identifies and quantifies gases directly in the field. Gasmet produces robust, high-precision portable analyzers for industrial, environmental, and emergency response use. Each model has its own strengths, all built on reliable FTIR technology to ensure accurate results whether you're working on air quality, monitoring emissions, performing industrial hygiene checks, or conducting environmental research such as greenhouse gas and soil flux measurements.*

### GT5000 Terra – Splashproof multigas FTIR analyzer

GT5000 Terra is a portable and splashproof multi-gas FTIR analyzer that can measure up to 50 gases simultaneously, making it possible for you to detect the unexpected. Equipped with wireless communication, you can monitor results in real-time on your laptop or tablet. This just might be the best portable FTIR gas analyzer on the market.

GT5000 Terra has various application areas, such as:

- [Industrial hygiene- and exposure monitoring \(https://www.gasmet.com/applications/safety/industrial-hygiene-monitoring/\)](https://www.gasmet.com/applications/safety/industrial-hygiene-monitoring/)
- [Confined space monitoring \(https://www.gasmet.com/applications/safety/confined-space-air-monitoring/\)](https://www.gasmet.com/applications/safety/confined-space-air-monitoring/)
- [CBRNE Detection \(https://www.gasmet.com/applications/safety/cbrne-gas-detection-for-critical-safety-and-threat-mitigation/\)](https://www.gasmet.com/applications/safety/cbrne-gas-detection-for-critical-safety-and-threat-mitigation/)
- [Shipping container monitoring \(https://www.gasmet.com/applications/safety/container-monitoring/\)](https://www.gasmet.com/applications/safety/container-monitoring/)
- [Anesthetic waste gas monitoring \(https://www.gasmet.com/applications/safety/anesthetic-waste-gas-monitoring/\)](https://www.gasmet.com/applications/safety/anesthetic-waste-gas-monitoring/)
- [Hazmat & first response gas monitoring \(https://www.gasmet.com/applications/safety/first-response/\)](https://www.gasmet.com/applications/safety/first-response/)
- [Greenhouse gas flux measurements in various ecosystems \(https://www.gasmet.com/applications/environment/greenhouse-](https://www.gasmet.com/applications/environment/greenhouse-)



[gases-from-soil/](#)

#### **Read more about GT5000 Terra**

[\(https://www.gasmet.com/products/category/portable-gas-analyzers/gt5000-terra/\)](https://www.gasmet.com/products/category/portable-gas-analyzers/gt5000-terra/)

#### **GT6000 Mobilis – Portable stack gas and combustion analyzer**

The GT6000 Mobilis is EN15267-4 QAL1 certified (MCERTS) portable FTIR analyzer for monitoring gas concentrations in hot, wet, and corrosive gas streams. Together with Portable Sampling System (PSS Plus or PSS Base), it transforms into complete portable FTIR emissions monitoring system. The system is typically set up to measure H<sub>2</sub>O, CO<sub>2</sub>, CO, NO, NO<sub>2</sub>, N<sub>2</sub>O, SO<sub>2</sub>, NH<sub>3</sub>, CH<sub>4</sub>, HCl, HF and different VOCs, and it can measure up to 50 gases simultaneously.

Common applications for the GT6000 Mobilis include:

- [Stack testing](https://www.gasmet.com/applications/emissions-monitoring/stack-testing/) (<https://www.gasmet.com/applications/emissions-monitoring/stack-testing/>).
- [Combustion research](https://www.gasmet.com/applications/emissions-monitoring/combustion-research/) (<https://www.gasmet.com/applications/emissions-monitoring/combustion-research/>).
- [Lithium-ion Battery Safety](https://www.gasmet.com/applications/safety/lithium-ion-battery-safety/) (<https://www.gasmet.com/applications/safety/lithium-ion-battery-safety/>).
- [Carbon capture & storage \(CCS\)](https://www.gasmet.com/applications/emissions-monitoring/carbon-capture-storage-ccs/) (<https://www.gasmet.com/applications/emissions-monitoring/carbon-capture-storage-ccs/>).

#### **Read more about GT6000 Mobilis**

[\(https://www.gasmet.com/products/category/portable-gas-analyzers/gt6000-mobilis/\)](https://www.gasmet.com/products/category/portable-gas-analyzers/gt6000-mobilis/)

#### **DX4015 – Portable analyzer for humid conditions**

Gasmet DX4015 is a portable FTIR gas analyzer for ambient air gas analysis. The key features of the DX4015 include a high sensitivity sample cell for the lowest possible detection limits and a built-in-pump, which means that there is no need to use a separate sampling system. The analyzer can be powered with 12 VDC from for example an external battery, so it can easily be used in field conditions where mains power is not available.

DX4015 can be used for measuring gases in wet conditions (such as greenhouse gases from a swamp).

#### **Read more about DX4015**

[\(https://www.gasmet.com/products/category/portable-gas-analyzers/dx4015/\)](https://www.gasmet.com/products/category/portable-gas-analyzers/dx4015/)

Want to talk to our expert about these gas analysis products? Leave your information below and we will get back to you. You can also [Click here to find your local distributor](#). (<https://www.gasmet.com/contact-us/>)

## **Our solutions for Gas Analysis**

Do you wonder what makes these yellow boxes so different? Since all of our portable analyzers use [FTIR-technology](#). (<https://www.gasmet.com/products/ftir-fourier-transform-infrared/>), they

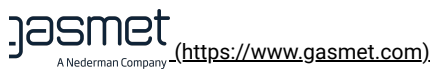


## **Reference stories about Gas Analysis**

- [Accurate gas measurements pave the way for safe and efficient customs practises](https://www.gasmet.com/cases/ftir-technology-customs-support/) (<https://www.gasmet.com/cases/ftir-technology-customs-support/>).

have the capability to detect up to 50 compounds simultaneously. Moreover, we have packed this incredibly sophisticated technology into easily movable, durable and in some case splashproof packages.

- [Waste anesthetic gas analysis improves health care environment across US southwest](https://blog.gasmet.com/waste-anesthetic-gas-analysis-improves-health-care-environment-across-us-southwest) (<https://blog.gasmet.com/waste-anesthetic-gas-analysis-improves-health-care-environment-across-us-southwest>)
- [DX4000 FTIR Gas Analyzer Helps Study Flue Gases at Savonia University](https://blog.gasmet.com/dx4000-ftir-gas-analyzer-helps-study-flue-gases-at-savonia-university) (<https://blog.gasmet.com/dx4000-ftir-gas-analyzer-helps-study-flue-gases-at-savonia-university>).
- [Assessing the impacts of renewable energy developments on soil quality and health](https://www.gasmet.com/cases/assessing-the-impacts-of-renewable-energy-developments-on-soil-quality-and-health/) (<https://www.gasmet.com/cases/assessing-the-impacts-of-renewable-energy-developments-on-soil-quality-and-health/>).
- [Italian Universities Study GHGs and Water Quality in Shallow Water Table Conditions with Gasmet DX4015](https://blog.gasmet.com/italian-universities-study-ghgs-and-water-quality-in-shallow-water-table-conditions-with-gasmet-dx4015) (<https://blog.gasmet.com/italian-universities-study-ghgs-and-water-quality-in-shallow-water-table-conditions-with-gasmet-dx4015>).



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**Emission Monitoring** (<https://www.gasmet.com/applications/emissions-monitoring/>)

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