



Gasmet CX4015

Gasmet CX4015 is an FTIR gas analyzer designed for research, workplace air monitoring, and quality control applications. It is an ideal tool to measure components of interest in ambient conditions. The sample cell can be heated up to 50 °C. Sample cell absorption path length is selected according to the application.

System specifications

Measuring principle	Fourier transform infrared, FTIR
Multigas capability	Simultaneous analysis of up to 50 gas compounds
Response Time	Typically < 120 s
Power supply	115 / 230 V 50 / 60Hz Power consumption: Average 150 W, maximum 300 W
Analysis Software	Calcmnet (Required operating system Windows 7 or 10)
Data Connection	9-pole D-connector for RS-232 Analyzer is connected to an external computer via RS-232C cable. The external computer controls Gasmet.
Sample pump	External, not included
Sample gas filtration	Minimum 2 µm particulate filtration.
Gas fittings	Sample in: 6 mm Swagelok, stainless steel Sample out: 8 mm Swagelok, stainless steel Interferometer purge: 6 mm Swagelok stainless steel
Enclosure	Dimensions: 482 x 196 x 450 mm Material: Aluminum
Weight	17 kg
Product compliance	CE, UKCA
Spectrometer	Resolution: 4/8 cm ⁻¹ Detector: Thermoelectrically cooled MCT Beamsplitter: Antireflection coated ZnSe Wave number range: 900 - 4 200 cm ⁻¹
Sample cell	Structure: Multi-pass, path length 9.8 m Material: Gold coated aluminum Mirrors: Fixed, protected gold coating Volume: 0.4 liters Temperature: 50 °C, maximum

Operating and storage conditions

Sample gas pressure	Ambient
Sample gas flow rate	2 – 10 l/min
Storage temperature	-20 to 60 °C, non-condensing
Operating temperature	5 - 30 °C, non-condensing air conditioning recommended

Performance specifications

Zero-point drift	< 2 % of measuring range per zero-point calibration interval
Sensitivity drift	None
Linearity deviation	< 2 % of measuring range
Temperature drift	< 2 % of measuring range per 10 K temperature change
Pressure influence	1 % change of measuring value for 1 % sample pressure change. Ambient pressure changes measured and compensated

Background measurement
interval

24 hours, with nitrogen (5.0 or higher N₂ recommended)

Zero gas

Nitrogen (5.0 or higher purity)

Gasmet Technologies Oy shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided "as is" without warranty of any kind and is subject to change without notice. Should you find any errors, we would appreciate if you notified us.