



> Know what's in the air.



CMM AutoQAL

Continuous Mercury Monitoring System **CMM AutoQAL**

Mercury monitoring of tomorrow requires measurements of low mercury levels, continuous operation and online results, all while considering the special characteristics of Hg. CMM AutoQAL meets these demands and provides the highest sensitivity and annual availability on the market.

What is CMM AutoQAL?

Gasmet manufactures and offers the only TÜV and MCERTS certified solution with automatic and truly integrated QAL3 validation tool in the market. The system has the lowest EN 15267-3 certified range in the world (0-5 $\mu\text{g}/\text{m}^3$). The highest certified measurement range of the system is 1000 $\mu\text{g}/\text{m}^3$ and even higher concentration peaks can be measured without any hardware changes. The QAL3 equipment is an integrated part of the system and performs the automatic QAL3 validation checks quickly and easily without any additional costs or manual work.

CMM AutoQAL consists of:

- Dilution probe
- Heated sample line
- Mercury analyzer
- Test gas generator

Heated dilution probe with a two-stage blowback system gives durability and reliability even in the most demanding conditions.

Furthermore, the flexible design of the system with 19" modules allows easy handling and operation throughout the system lifetime.



The lowest certified range in the world 0-5 µg/m³.

How does it work?

Gasmet mercury analyzer is based on Cold Vapor Atomic Fluorescence (CVAF) measurement principle, which offers the highest sensitivity in the world. System is fully automatic, and the automatic calibrations are done at user defined intervals.

The CVAF technology and the Gasmet design ensures continuous, precise and cross interference free measurement of mercury without need for sample pre-concentration. The system measures the total gaseous mercury as the integrated thermal converter converts all mercury compounds to elemental mercury.

Why choose the Gasmet CMM AutoQAL?

- > Continuous mercury monitoring with automatic certified QAL3 validation tool
- > Fast and easy integrated QAL3 functionality
- > Future-proof with the lowest certified range in the world, 0-5 µg/m³ (EN 15267)
- > Measures total Hg ensuring zero Hg-derivates being undetected
- > The highest sensitivity in the market with detection limit of 0.02 µg/m³
- > Excellent annual availability (99%)
- > Real-time results with excellent response time < 120 s
- > Software giving immediate results: Pass / Fail
- > No need for additional QAL3 equipment
- > Minimal operating costs
- > Worldwide technical service & support

What is it used for?

The CMM AutoQAL is designed for continuous measurements of mercury from hot, wet and corrosive gas streams. The system is used in a wide range of industrial processes requiring mercury emissions monitoring.

The system is typically used in:

- > Power Plants
- > Waste Incinerations
- > Cement Plants

Certification ranges (Hg)

- 0 to 5 µg/m³
- 0 to 10 µg/m³
- 0 to 45 µg/m³
- 0 to 100 µg/m³
- 0 to 1000 µg/m³

Any questions? Ask more from our CMM AutoQAL experts: contact@gasmet.fi



Why Choose Gasmet

Gasmet is the number one FTIR analyzer and system manufacturer. We have delivered over 4000 FTIR analyzers worldwide, and have the highest installed base for onsite and industrial applications.

Front Seat

We are at the forefront of development. We have 30 years of FTIR experience and we have introduced several breakthrough innovations, such as launching the world's first in-situ FTIR gas analyzer and the world's first portable ambient FTIR analyzer. Our teams of experts provide continuous improvements of our products, ensuring that your FTIR analyzer investment is continually future-proofed.

Future First

The future belongs to everyone and we think that everyone has the right to clean air. Therefore, we are persistent to develop our future-proof solutions and support global actions in mitigating climate change. Our vision is to live on a green planet with less emissions.

Global Presence

We know the importance of local support, globally. With our service and support network covering more than 70 countries, we ensure local, high quality technical support for our customers and secure continuous availability of spare parts to our systems during their entire lifetime.



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