
PRESS INFORMATION

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Gasmet FTIR performance: best in class

Quantitech is delighted to announce that the Gasmet CEMS II e continuous emissions monitoring system has successfully completed EN 15267-3 testing using FTIR technology for the analysis of low range HF, low range NO, CH₄ and Formaldehyde. “This means that it meets the performance specifications for a larger number of components than any other FTIR in this market,” commented Quantitech MD Ken Roberts.

FTIR is an extremely popular emissions monitoring technology; able to monitor almost any gaseous compound. In the case of the Gasmet CEMS II e, this means the provision of monitoring data for up to 50 compounds simultaneously.

The performance tests, which involved both laboratory and three months of field measurements, were undertaken by TÜV Rheinland, the internationally renowned independent test, inspection and auditing organisation.

Expressing his delight with the data, Ken Roberts said: “The results for Hydrogen Fluoride were as good as or better than other FTIR manufacturers, but the data for Nitrogen Oxide and Formaldehyde are also very significant, because no other FTIR is certified down to 150 mg/m³ NO in 40 vol-% water and no other instrument is approved for Formaldehyde at all!”

The technology in all of Gasmet’s FTIR analysers is essentially the same and benefits from continual investment in product development. It is this work that has enabled the dramatic improvements that have been highlighted by the TÜV tests.

Rami Vuorinen manages Gasmet’s development work. He says: “During 2014, we were able to improve the signal/noise ratio by as much as 50%, and significantly improve sensitivity. However, we did not publish this information, pending the results of the TÜV tests, so it is very pleasing to be able to provide third party evidence that supports our own findings.”

The newly certified CEM system has been denoted 'CEMS II e' to highlight the extended range of certified components and the enhanced analytical performance. The same improvements also apply to all Gaset portable FTIR analyzers. A QAL1 certificate from TÜV is pending for the CEMS II e system, and an update to the MCERTS certificate is also being sought.

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