News

**FOR IMMEDIATE RELEASE**
**Air Quality Instruments**

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## Thermo Fisher Scientific Introduces the Thermo Scientific Model 70 FTIR Multi-Gas CEMS: A Single-System Monitor of All Required Gases for Incineration Applications

FRANKLIN, Mass. (May 15, 2008) – Thermo Fisher Scientific Inc., the world leader in serving science, announced today the Thermo Scientific Model 70 FTIR Multi-Gas CEMS, a single analyzer, continuous monitoring system capable of measuring up to ten gases or more for almost any incineration or co-incineration application. The new Thermo Scientific real-time monitoring system employs the most widely used, field-proven, process FTIR technology in the world for integrated stack gas monitoring systems. Backed by Thermo Fisher's 25 years of experience as the leader in FTIR instrumentation, the Model 70 FTIR multi-gas analyzer possesses a high level of sensitivity, specificity, and dynamic range, with a dynamically aligned interferometer that provides exceptional long and short term stability.

The FTIR analyzer uses a gas cell with a 5.2 meter optical path. Fitted with zinc selenide sample windows, the cell is suitable for elevated temperature conditions, operating reliably at temperatures up to 185°C. The Model 70's optical system is designed for a three-to-six month cycle of unattended operation, which significantly reduces operation costs. In addition to the dynamically aligned interferometer, the pinned-in-place, pre-aligned components ensure permanent optical alignment, virtually eliminating method maintenance for uninterrupted operation and analysis. The system's high-speed data analysis capability delivers extremely accurate, continuous gas measurement which is ideal for rapidly changing complex gas mixtures.

Compounds measured with the Thermo Scientific FTIR CEMS include carbon monoxide, nitric oxide (gas turbine), sulfur dioxide, hydrogen chloride, ammonia, water, nitrogen dioxide, nitrous oxide, hydrogen fluoride, methane, and carbon dioxide. Also available from Thermo Fisher Scientific are two options for adding onto the system: a flame ionization detector (FID) for monitoring total gaseous organic carbon and a zirconia oxygen analyzer.

"Measuring ten or more gases with one analyzer results in a substantially reduced cost of ownership," said Michael Nemergut, vice president and general manager for Thermo Fisher Scientific's Air Quality Instruments business. "This expanded capability utilizes an FTIR bench that has been the cutting-edge technology for the past 25 years, enhanced by our more than 35 years experience in stack gas emissions monitoring. The know-how and experience built into the Thermo Scientific Model 70 FTIR CEMS makes choosing a multi-gas system easier than ever."

For more information about the Thermo Scientific Model 70 FTIR CEMS, please call.1-866-282-0430, or visit www.thermo.com/aqi.

**About Thermo Fisher Scientific**

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Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With annual revenues of $10 billion, we have more than 30,000 employees and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. Thermo Scientific offers customers a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance value for customers and fuel growth for shareholders and employees alike. Visit www.thermofisher.com.

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