

**FOR IMMEDIATE RELEASE**

**Air Quality Instruments**

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**Thermo Fisher Scientific Offers Simpler Solution to  
System Integrity Testing for Mercury Emissions Monitoring**

FRANKLIN, Mass. (May 9, 2007) – Thermo Fisher Scientific Inc., the world leader in serving science, announces the Model 81*i* MCG mercuric chloride generator, a simpler solution to the demand for weekly system integrity testing for mercury emissions monitoring at coal-fired power plants. An optional feature for new systems and a simple retrofit for installed units, the Model 81*i* MCG is a fully integrated part of the stack probe assembly, which is automatically controlled via the existing DAHS system.

Utilizing the method of gas phase titration, the Thermo Fisher Scientific method uses its 81*i* elemental calibrator as a source of mercury and a small cylinder of 250 ppm chlorine in nitrogen balance to form mercuric chloride inside a specially designed mixing chamber. The chamber is located in the probe to minimize transport of very reactive mercuric chloride. From the mixing chamber, newly formed mercuric chloride is fed directly into the probe at the filter to complete the system integrity check under the mandated Clean Air Mercury Rule (CAMR). The result is a system that requires no wet chemicals and no extra space as the generator is incorporated into the probe.

“Once again, Thermo Fisher Scientific has designed a completely integrated mercury emissions monitoring component that makes life simpler and easier for plant personnel,” said Michael Nemergut, marketing director for Thermo Fisher Scientific’s Air Quality Instruments business. “Thermo Fisher Scientific takes the difficulty out of weekly system integrity testing and renders it virtually trouble-free with the major advantages of dry system operation, at-the-stack conversion and automated control. Add to this that the system is 100 percent retro-fittable, and you have an ideal system solution for CAMR monitoring compliance.”

For more information about the Thermo Scientific Model 81*i* MCG mercuric chloride generator, please call 1-800-232-0430, or visit [www.thermofisher.com](http://www.thermofisher.com).

**About Thermo Fisher Scientific**

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 an annual revenue rate of more than \$9 billion, we employ 30,000 people 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](http://www.thermofisher.com).

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