FCI MT100 Gas Emissions Flow Meter Obtains Best-in-Class Maintenance Interval Rating

TÜV Expands FCI's EN15267 (AMS/QAL1) Certification to 6-Month QAL3 Maintenance Interval for Emission Flow Measurement in Electric Power, Chemical, Steel, Waste Incineration and Other Industries

San Marcos, CA — Environmental, process and plant engineers responsible for continuous gas emissions monitoring of stacks, flues, ducts and chimneys with EN15267 compliant automated measuring systems (AMS) will find that the **MT100 Series Multipoint Mass Flow Meter** from **Fluid Components International (FCI)** now has its certification enhanced to include an industry best maintenance interval check as required by the standards. FCI's Model MT100's previous certification from TÜV has now been further certified to achieve the maximum QAL3 maintenance interval check for all QAL1 gas flow meter solutions. The MT100's 6-month interval not only far exceeds the 4-week interval required of the only other QAL1 compliant thermal mass flow meter, but also meets or exceeds the interval of other flow meter technologies such as differential pressure (DP) and ultrasonic (US).

Furthermore, unlike DP and US that require the flow meter manufacturer to send its technicians to the installation and for the process to shut down for the required check, the MT100's check can be performed by plant staff, without shutting down the process and in less than 30 minutes. This enhanced certification for extended maintenance interval ensures both reliable measurement performance and the lowest installed cost over the life of its installation.

The MT100 Flow Meter accurately monitors and reports the flow rate and/or the totalized flow of gases. This includes mixed gas composition gases, including hot, moist, and dirty stack and flue gases emitted by industrial processes and whose measurement and control is required to help reduce the global warming of the planet.

The highly repeatable and dependable MT100 Series Multipoint Mass Flow Meter is TÜV-certified as AMS compliant with EN15267-3 with QAL1 and EN14181 (2015). Certification by TÜV. Certification by TÜV, a highly respected independent and internationally recognized organization that approves numerous emissions monitoring equipment, including flue gas flow meters, assures FCI's customers that this meter meets its specifications, complies with EU air pollution directives and is suitable for flow data reporting per these directives.

-MORE-

FCI's MT100 Series Multipoint Flow Meters combine state-of-the-art electronics technology with application-proven precision flow sensors in a rugged package designed for demanding operating environments. They provide temperature-compensated direct mass flow.

measurement of gases for precise, repeatable measurement in large diameter stacks, rectangular ducts, chimneys and pipes. The QAL1/6-month compliant version has on-demand or automated instrument self-checking with unique, TÜV tested and certified test routines to analyze for sensor drift and authenticate transmitter operation, and to generate reports for documentation required by local authorities.

In heavy industries, such as chemical, electric power generation, oil/gas refineries and others, large diameter pipes and ducts present unique challenges to achieve successful flow meter installation and performance. Hot, moist and/or dirty gases along with a lack of pipe straight-run, distorted flow profiles, low flow rates and wide turndowns rates are common performance challenges for many flow metering technologies.

FCI's thermal mass MT100 Series Flue Gas Flow Meters are available with one to eight flow rate sensing points to overcome these issues. Multiple sensors are inserted at various depths across a stack, duct, chimney or pipe. In hot, dirty and/or moist or corrosive gases, it also excels because there are no moving parts, orifices or glass windows to foul or clog. The instrument can measure flue gas operating up to 454 °C (850 °F). The MT100 Flow Meters measure flow rates over a wide range from 0,07 to 305 NMPS (0.25 to 1000 SFPS) with 100:1 turndown and with excellent accuracy of ± 1.75% of reading, ± 0.5% of full scale.

The MT100 meter's transmitter is both full-featured and rugged. It's all stainless steel enclosure is NEMA4X/IP66 rated to ensure long service life in outdoor installations. Its electronics comes with an extensive choice of output options to interface with virtually any DCS, PLC, SCADA, or recorder. High resolution, 16 bit, dual 4-20mA analog outputs with NAMUR 43 compliance, HART I/O, and Modbus RS485 RTU/ASCII are all standard. Optionally available are Profibus-PA or Foundation Fieldbus communications

All MT100 Meters have been independently tested and verified to meet and comply with IEC safety directives for EMC and LVD, and carry the CE marking. Optionally available for process installations with hazardous, potentially explosive gases and/or dust, MT100 meters can be ordered with ATEX or IECEx or FM/FMc agency approvals for Division II/Zone 2.

FCI solves flow and level measurement applications with advanced thermal dispersion technologies. With 50+ years' experience and the largest installed base of thermal flow meters, flow switches and level switches, count on FCI to know your application and have the solutions.

Contact FCI: 1755 La Costa Meadows Dr, San Marcos, CA 92078
Web: www.FluidComponents.com Tel: 800-854-1993 Tel: 760-744-6950
Email: eflow@fluidcomponents.com