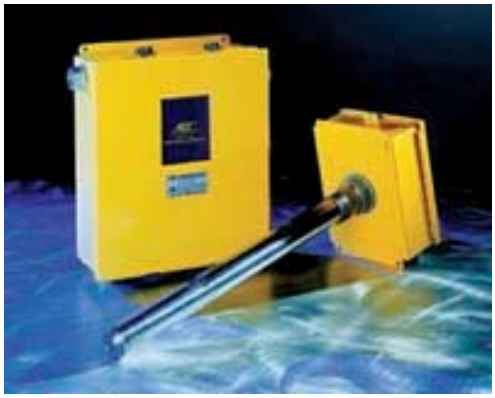
Fluid Components International – Breaking News

Multi-Point Flowmeters Offer Superior Accuracy For Large Line Size Air/Gas Applications Up To 850°F

CEMS Stack Monitoring, Combustion Air Flow, Flue Gas Recirculation, Industrial HVAC, NOX Burner Monitoring, Scrubber/Precipitator Balancing



San Marcos, CA

Process, environmental and plant engineers requiring precise air/gas flow monitoring for complex industrial equipment or pollution monitoring systems in variable-flow, high-temperature environments up to 850°F[455°C] will find the MT Series Multi-Point Flowmeter from Fluid Components International offers superior accuracy in a long-life, virtually maintenance-free instrument that is designed for large line sizes greater than 24 inches.

With up to 16 independent thermal mass flow sensor arrays designed into a variable length assembly, the MT Series is ideal for applications in the electric power, oil/gas, chemical, steel and other heavy manufacturing industries. It provides excellent flow measurement inside large line sizes of combustion or pre-heater systems, HVAC units, ducts or flue stacks, where unstable thermodynamic conditions make other flowmeter techniques ineffective.

MT Series flowmeters are highly versatile, with a wide turndown range available from 5:1 to 100:1 and flow sensitivity from 0.25 SFPS (0.08 NMPS) to 150 SFPS (45.7 NMPS). With its smart digital flow transmitter and advanced thermal dispersion technology flow sensing element, the MT meets federal environmental requirements for CEMS, CFR40, Part 75.

With a no-moving parts design and no orifices to plug or foul, the MT Series flow sensor incorporates a fully temperature-compensated design that is highly stable with almost no drift for excellent repeatability. The sensor assembly is available with flanged, threaded and retractable process connections with a NEMA/CSA Type 4 junction box and installed at the desired location with a choice of popular process connections.

The smart flow transmitter for the MT Series features a powerful microprocessor-driven design for superior signal processing and data collection. This design includes a user-friendly menu-driven interface with LCD screen and keypad for programming the control, monitoring, display and driver/alarm functions. A nonvolatile EEPROM chip stores applications and calibration data, and protects this data in the event of a power disturbance.

The electronics package is connected remotely by cable to the flow element assembly up to 1000 feet (304m) away. RS232C and HART communication ports offer easy links with controllers or other field devices. Signal outputs available are 4-20 mA, 0-5 Vdc, 1-5 Vdc, and 0-10 Vdc.

Serving critical process instrumentation needs worldwide, ISO 9001 certified FCI is the world's leading manufacturer of thermal-dispersion technology flow and level measurement instrumentation for industry. Since 1964, the company has provided a broad range of liquid, gas and slurry flow/no flow detection, flow meters, liquid level interface, flow conditioning and more.

Fluid Components International is a global company committed to meeting the needs of its customers through innovative solutions to the most challenging requirements for sensing, measuring and controlling flow and level of air, gases and liquids.