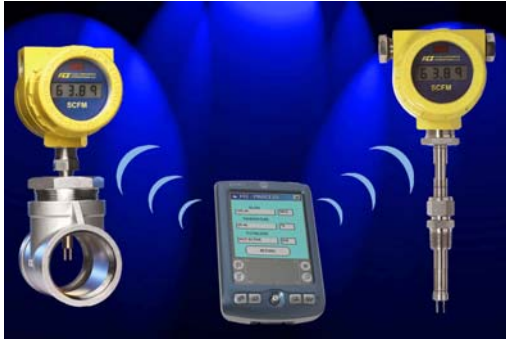


ST50 and ST75 Series Mass Flow Meters With Wireless Remote Access

Air/Gas Measurement In Chemical Processing, Oil/Gas, Water/Waste and More



San Marcos, CA

Process and plant engineers looking for a more convenient, time-saving and lower cost way to communicate with flow meters will find the ST50 and ST75 Flow Meters from Fluid Components International (FCI) not only provide best-in-class measurement and value, but also are now available with an exclusive wireless communication option.

Utilizing a wireless IR technology built-in to the ST50 and ST75 flow meters and a standard, low cost PDA, field technicians can obtain measurements, make setting changes and read trouble-shooting codes without ever having to open the instrument. This industry unique feature is ideal in applications for flow meters that are installed in hard-to-reach locations or where opening the instrument is inconvenient or labor intensive.

The wireless IR link eliminates the need for expensive proprietary programmers, which simplifies maintenance and reduces the overall cost of use. FCI's wireless IR sensing capability is included in all ST50 and ST75 air/gas flow meters with a digital display readout. To complete the system, FCI also supplies the easy-to-use, user interface software for downloading into any Palm-OS based PDA.

ST50 Flow Meter Small, compact and low cost, the ST50 is an insertion-style mass flow meter for air, compressed air or nitrogen flow measurements. Designed for line sizes from 2 to 24 inches (51 to 610 mm), it installs easily through a single tap point and configuration set-up takes only minutes. The ST50 operates over a flow range of 1.25 to 400 SFPS (0.4 to 122 NMPS) in air, with an accuracy of ± 2 percent of reading, ± 0.5 percent of full scale. With its highly reliable thermal dispersion mass flow sensing element, the ST50 is ideal for a wide range of applications, including compressed air monitoring, HVAC duct/damper control, air flow control for dryers, burners, boilers and furnaces, wastewater aeration treatment, nitrogen blanketing,, aquaculture aeration, and more.

The ST50 is designed with dual analog outputs, 4-20 mA and 0-10 Vdc, which are field assignable as flow rate or temperature. All models include a standard RS232C serial I/O link for data communication. Developed for challenging environments, the ST50's electronics are packaged in a rugged, yet compact all metal, NEMA 4X (IP66)rated enclosure. Agency approvals: FM, CSA and CE (ATEX pending).

All ST Series Flow Meters feature an advanced thermal dispersion type mass flow sensing element, which uses two matched, precision platinum resistance temperature detectors (RTDs). One RTD is heated relative to the reference RTD, and the temperature difference between the two is linearized and conditioned to directly measure the gas mass flow rate. The sensing elements have no moving parts and are non-clogging to achieve excellent long-term reliability with virtually no maintenance.

ST75 Flow Meter The advanced ST75 Flow Meter is a highly accurate, direct mass flow meter for air or gas measurement applications in smaller line sizes from 0.25 to 2 inches (6 to 51 mm). The ST75's flow range spans 0.01 to 838 SCFM (0.07 to 1425 NCMH) in air, with an accuracy of ± 2 percent of reading, ± 0.5 percent of full scale. It is suitable for service in a wide range of industrial processes, including burner and boiler fuel and air feed lines, industrial furnaces, heat treating gas controls, chiller air flow and dosing/gas injection rate controls.

The ST75 features standard "triple" analog outputs include both a fully scaleable 4-20mA and 0-10V, which are user assignable to flow rate and/or temperature, as well as a 0-1kHz pulse output of total flow. Input power can be specified as 24Vdc or 115/230VAC. Electronics are housed in a small, compact all-metal, NEMA 4X (IP66)rated enclosure. Agency approvals: FM, CSA and CE (ATEX pending).

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 the flow and level of air, gases and liquids.