

SIEMENS



siemens.com/flow

Flow measurement doesn't always have to be expensive

SITRANS FST020 makes superior performance much more affordable

Answers for industry.

Basic and affordable flow functionalities wrapped in superior performance



Display	2 x 16 alphanumeric LCD
Keypad	5 keys with tactile feedback
Accuracy	± 0.5 % - 1.0 % for velocities ≥ 0.3 m/s (1 ft/s) • 4 ... 20 mA ± 0.2 % of span • Pulse, relay output ± 0.5 % - 1.0 % of flow
Flow range	±12 m/s (±40 ft/s), bidirectional
Pipe range	DN 6.4...9140 (0.25"...360")
Outputs	1 x 4-20 mA, 1 x relay, 1 x pulse / frequency
Inputs	2x digital inputs for totalizer start/stop and reset
Channels	Single channel
Communication	Modbus RTU, BACnet MSTP, VT100 RS232 (includes Si-Ware diagnostic software)
Enclosure rating	IP65 (NEMA 4X)
Approvals	UL, ULc, CE, C-Tick
Power	100-240V AC 20 VA max., 11.5-28.5V DC 10W max.

The clamp-on ultrasonic SITRANS FST020 features the most basic flow measurement functionalities required by the water and wastewater, HVAC, power, chemical and general processing industries. And as such, it perfectly supplements the remaining portfolio of SITRANS F US clamp-on ultrasonic flowmeters.

Whatever your choice - There is no need to search further.

The SITRANS FST020 clamp-on ultrasonic flowmeter offers basic functionalities, it is considered an optimal and affordable alternative to more complex flow measurement solutions.

This does not mean that compromises have been made in regards to overall quality. Accuracy is in the 0.5 to 1.0 % range (application-dependent) and, as with all other clamp-on ultrasonic flowmeters from Siemens the SITRANS FST020 provides high performance and reliability.

Featuring the WideBeam ultrasonic flow technology proven both in the field and in the lab, the SITRANS FST020 offers several benefits:

- Measurement of practically any liquid
- Maintains reliable performance
- Installs on pipe sizes up to DN 9140 (360")
- Increased measurement precision through sensitivity to changes in the fluid type or physical properties



A perfect fit

The SITRANS FST020 lives up to market requirements by offering features that are required in specific water and wastewater, HVAC, power, chemical and general process industry applications.

These include one channel, limited configuration options for straightforward product selection, multiple communication protocols and, lastly, a simple and user-friendly design that not only ensures easy set-up and configuration but also fast delivery times.

The sensor is key

One of the keys to the high performance of the SITRANS FST020 are the sensors. The WideBeam technology increases flow measurement precision by reducing the sensitivity to changes in the fluid or physical properties.

For high precision measurement, signal-to-noise ratio is optimized by utilizing the resonance frequency of the pipe wall to transmit the sound signal into the media with the wall acting as a waveguide. This method produces a particularly strong, focused and coherent signal.

Add to this the utilization of externally mounted sensors that are quickly and easily mounted on the outside of the pipe and the SITRANS FST020 becomes the perfect solution for retrofit applications and applications where corrosive, toxic or high pressure liquids rule out the option of cutting the pipe.

More information:
www.siemens.com/flow

Siemens Industry, Inc.
Industry and Automation Division
Center of Competence Ultrasonic Flow
HAUPPAUGE, NY 11788
USA

Subject to change without prior notice
Order No.: E20001-A420-P730-V2-7600
WS 07102.5
Printed in the USA
DISPO 27900
© Siemens AG 2014

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products.

An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.