

SIEMENS



Scale



Eye



Rotameter



Mass-flow



SITRANS
FC430

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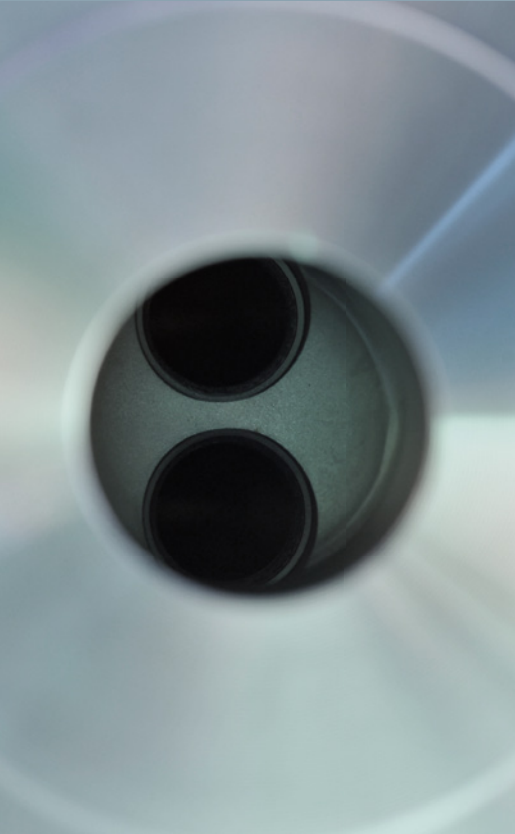
Evolution and efficiency in flow measurement

The new Coriolis compact class.

Answers for industry.

SITRANS FC430: the new Coriolis compact class.

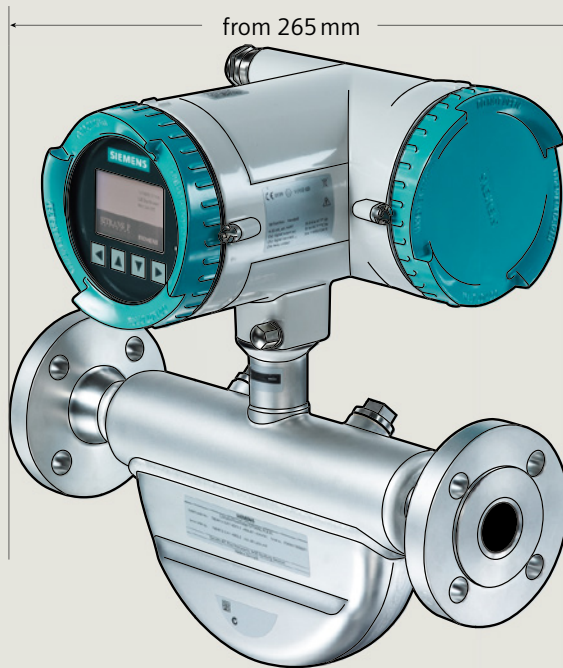
Flow measurement has reached a new level of efficiency. As the most compact sensor currently on the market with ground-breaking support tools and the first SIL 3 certification for a Coriolis system, the SITRANS FC430 sets new standards – in its own class and beyond.



Small in size – big on performance

Sometimes you can judge how well something works by just looking at it. Such as SITRANS FC430's Compact-Curve™ design, for instance. With its sleek appearance, the new flow meter leaves the competition far behind. Its compact design and excellent performance contribute considerably to increase operative efficiency and productivity.

Thanks to its outstanding flexibility, the SITRANS FC430 can be installed practically anywhere and if required, small spaces can accommodate more than one device. Manufactured in one of the world's most sophisticated and highly automated Coriolis factories ensures consistent world-class accuracy and reliability as well as very short lead times.



The
evolution
of flow
measurement

The new SITRANS FC430

Efficiency in every sense

Rapid setup

The uniform look and feel of the Siemens product portfolio lowers the costs associated with additional training and leads to efficient time management. The SITRANS FC430 speeds things up too: with its multi-language, intuitive graphical user interface, it lowers setup times and enables top level views to be tailored to individual customer needs. User-friendly navigation is included: standard programming wizards help guide even inexperienced users to where they need to be.

Increased flexibility

The 180° rotatable stand and simple screw and clamping fasteners allow easy access from any angle.

Well built

Its robust frame construction ensures excellent insulation and offers heavy resistance against external vibrations. The result is a stable measuring environment, delivering a measurement accuracy deviation of 0.1 % and excellent repeatability of $\pm 0.05\%$ - without twisting or rotation.

Ideal for any application

With a large selection of deliverable connections for standard, hygienic and NAMUR sensors, the SITRANS FC430 can deal with any task. Options include flange and pipe threading, hygienic threading and hygienic clamping terminals.



Leading through innovation

The SITRANS FC430 shows real class right from the word go: cable tunnels for every I/O ensure a fault-free setup – even with thick cables. Wago cage clamp terminals ensure lifelong and maintenance free wire holding regardless of vibrations, temperature and pressure. Naturally, the SITRANS FC430 also meets the requirements for all IEC Ex, ATEX and FM hazardous areas.

Transfer information optimally with SensorFlash®

The removable MicroSD card can be used to save user and factory settings, calibration data and certificates, and enables the rapid and simple transfer of information directly to any PC – or between transmitters.

Versatility with a USB interface

The USB user interface allows connections to any PC via a standardized USB 2.0 connection. The SITRANS FC430 only requires a single interface – regardless of the type of communications. It is easy to access, meaning that maintenance can be carried out quickly and without interruptions.

Increased safety with HemiShape™

The unique design of the hemispherical flow manifold secures low pressure loss and avoids cavitation as well at the separation of fragile liquids. This means that the SITRANS FC430 is ideal for hygienic applications. With its smooth surface, EHEDG/3A allows for easy cleaning with minimal abstraction of flow.

Faster with Digital Sensor Link

Digital Sensor Link offers instant digitalization for an optimal signal to noise ratio and increased stability. Best-in-class 100Hz update rate and standardized M12 Plug & Play connector guarantee high-speed data transfers, with distances of up to 225 m between the sensor and transmitter.

Scan to
explore the
future of flow
measurement



Customized Industry solutions

Putting safety first – Chemical industry

The SITRANS FC430 is designed to deliver optimal performance in potentially explosive atmospheres. Because of this, it fulfills the requirements for numerous applications with approvals and certifications. Further advantages which distinguish the SITRANS FC430 from the competition include mass balance measurement to determine molecular quantity, density measurement for improved quality controls and a high level of accuracy for more efficiency in chemical processes.

QR-Code

Furthermore, a dedicated QR code on the product provides direct access to a mobile website with all relevant information including a “How to install” video.

Saving time and money – Oil and gas industry

With its accuracy and time saving capabilities for flow monitoring, the SITRANS FC430 sets itself apart from its competitors. Accuracy and time savings are decisive in flow monitoring, when large amounts of product are changing hands – such as in bulk-loading applications, for example. The SITRANS FC430 is custody transfer approved and measures mass flow directly, and ensures that performance is not affected by varying process conditions.

Your benefits

- Hazardous area approvals including SIL 2 (hardware), SIL 3 (software), FM, ATEX, CSA, IEC Ex, NAMUR
- High accuracy (0.1%) thanks to CompactCurve™ design
- Multiparameter measurement
- Low wear and tear
- Compact design offers greater flexibility in installation
- Suitable for CIP/SIP cleaning
- One-stop solution provider for ease in ordering and reduced training needs
- OIML R 117 custody transfer approval for many liquids



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