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SITRANS FC430



# Explore the future of flow measurement

**SITRANS FC430: The market's most compact Coriolis solution**

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Running an industrial plant carries with it a very high level of responsibility. You must adhere to the highest standards of safety and hygiene, ensure that your final products are of consistent quality, and comply with stringent industry and governmental regulations.

Siemens has a cutting-edge flow solution to support your efforts. By choosing the new SITRANS FC430 Coriolis flowmeter, you will optimize your entire process for increased

productivity and, as a result, a better bottom line. Combining the SITRANS FCS400 sensor and SITRANS FCT030 transmitter, the digitally based SITRANS FC430 is suitable for all applications within the process industries and is manufactured in one of the world's most sophisticated Coriolis factories. It is also one of the first Coriolis systems worldwide to achieve SIL 2 and 3 approval in hardware and software, respectively – the ultimate guarantee of safety and reliability.

**Answers for industry.**



The SITRANS FC430 is manufactured in one of the world's most sophisticated and highly automated Coriolis factories.

#### SITRANS FCS400 sensor

The SITRANS FCS400 is the market's most compact sensor, making installation and replacement easier than ever. At the heart of this compact design is the patented CompactCurve™ tube shape, with an accuracy rate of 0.1% and high sensitivity for optimal measurement of even very low flows. The SITRANS FCS400 also features a very stable zero point, low pressure loss, and high immunity to process noise and plant vibrations. Other benefits include:

- Standard purge connectors on secondary enclosure
- Wide range of sensor variants, process connections, approvals and configurable I/Os

#### SITRANS FCT030 transmitter

Based on patented digital signal processing technology, the SITRANS FCT030 transmitter delivers multi-parameter measurements with enhanced efficiency, simplicity and security. It features a convenient modular design and can be remote- or compact-mounted with all SITRANS FCS400 sensor sizes. The enclosed SensorFlash® micro SD card serves as a removable database of operational information and provides direct access to all certificates and audit trails. Other benefits include:

- 100 Hz signal processing for high-speed data updates
- Replacement in less than 5 minutes
- True "plug & play" functionality to simplify startup



Adaptable to almost any environment, the SITRANS FCT030 transmitter is available in both a remote and compact version and can be mounted on all SITRANS FCS400 sensor sizes 1/2" to 3".

#### Exceptional cross-industry performance

Wherever there is a demand for accurate flow measurement, the SITRANS FC430 delivers. It is ideal for a broad array of process industries and applications, including:

- **Chemical.** Designed for optimal performance in hazardous areas and compliant with a wide variety of certificates and approvals, including SIL 2 (hardware), SIL 3 (software), FM, ATEX, CSA, IEC Ex and NAMUR.
- **Food & Beverage/Pharmaceutical.** High level of accuracy improves quality control, while multi-parameter measurement ability strengthens process management.
- **Oil & Gas.** Custody transfer approved and capable of measuring mass flow directly, ensuring performance is not affected by fluctuating process conditions. Unique design results in very minimal pressure loss.
- **Affiliated Industries/OEMs.** Highly customizable nature offers enough versatility to meet the needs of customers in many different businesses, from automotive to HVAC to pulp & paper and beyond.

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