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SITRANS FC430



# When dollars matter it makes sense to use Siemens Custody transfer meters

SITRANS FC430: The market's most compact NTEP approved custody transfer Coriolis flow meter

## Process Instrumentation

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 flow solution to support your efforts. By choosing the SITRANS FC430 Coriolis flow meter, you can optimize your process with 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 applications within the process industries. It is also one of the first Coriolis systems worldwide to achieve SIL 2 and 3 approval in hardware and software, respectively – the ultimate assurance of safety and reliability.

[usa.siemens.com/coriolis](http://usa.siemens.com/coriolis)



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 low flows. The SITRANS FCS400 features a very stable zero point, low pressure loss, and high immunity to process noise and plant vibrations.

#### 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.

#### SITRANS FC430 flow meter with NTEP

With the growing intensity in the oil and gas industry to meet the needs of the energy market Siemens offers the SITRANS FC430 Coriolis flow meter with National Type Evaluation Program (NTEP) custody transfer (CT) approval.



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 ½" 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
- **Food & Beverage/Pharmaceutical.** High level of accuracy improves quality control, while multi-parameter measurement ability strengthens process management.
- **Oil & Gas.** NTEP approved for custody transfer and capable of measuring mass flow directly, ensuring performance is not affected by fluctuating process conditions. Unique tube design results in minimal pressure loss and high resistance to process noise..
- **Affiliated Industries/OEMs.** Highly customizable nature offers versatility to meet the needs of customers in many different businesses, from food and beverage to automotive to HVAC, to oil and gas to pulp & paper and beyond.

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