Higher productivity at a lower cost.

SITRANS FX330 - The all-in-one vortex solution for steam, gas and liquid.

usa.siemens.com/vortex
Enhanced energy and cost efficiency

Take your steam, gas and liquid measurements to a whole new level with the new, digitally based SITRANS FX330 vortex flow meter from Siemens. Ideal for HVAC and auxiliary systems and versatile enough for use in many process applications. The FX330 Vortex flow meter is a reliable and versatile flow system that combines flow, pressure and temperature monitoring into one user-friendly, two-wire device. You benefit from enhanced energy and process efficiency, greater accuracy and significant cost savings.

Safety built right in
Designed from the ground up to be fully compliant with the IEC 61508 SIL 2 safety standard, the SITRANS FX330 is a perfect choice for hazardous installations. As a unique feature, the unit switches easily between SIL and non-SIL modes without the need for an on-site visit from a service technician.

Minimal downtime
Keep your processes up and running – and your costs under control. The SITRANS FX330 provides redundant storage of all calibration and configuration data within the display memory and electronic modules, enabling quick-and-easy transfer of information to replacement devices.

With the SITRANS FX330 you get
• Integrated pressure and temperature compensation for lower installation costs and increased accuracy
• Integrated online density compensation, for saturated steam – providing superior system accuracy
• Advanced signal filtering technology locks in stable measurements under fluctuating process conditions
• Integrated reduction of nominal diameter permits a large turndown ratio, reducing installation costs
• Sensor designed for low pressure loss to increase operational efficiency
• Around-the-clock support 7 days a week by our network of specialists in 190 countries

The new SITRANS FX330 integrates an intelligent, high-performance digital transmitter with a robust, fully welded sensor for all-in-one measurement of flow, pressure and temperature.
A wide range of sizes or a space-saving design

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<th>Flange version with online density compensation in a wide range of sizes</th>
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<tr>
<td>Material sensor</td>
<td>Stainless steel 1.4404 (316 L), Hastelloy C22 on request</td>
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<td>Material transmitter</td>
<td>Die-cast aluminium (Stainless steel in preparation)</td>
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<tr>
<td>Accuracy</td>
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<td>Current output</td>
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Maintenance couldn’t be easier: the pressure sensor can be replaced without ever demounting the meter from the process line.

The user-friendly interface features a high-resolution graphical display with highly legible characters, a rotatable screen and a wide range of language options.
Business is based on trust

A reliable partnership has many aspects: Being there when you’re needed. Helping out even in the toughest situations. Reacting flexibly to provide what’s expected in any situation.

Siemens has all the qualities that make for a successful partnership. And the results speak for themselves: dependable solutions that are tailored precisely to customer requirements.

Seamless integration into your installation

With its enhanced digital capabilities the SITRANS FX330 can be seamlessly integrated into many operating environments and automation systems, making it ideal for a broad range of HVAC, auxiliary, chemical, and oil and gas installations.

Optimize your HVAC and auxiliary installations

To maximize the energy efficiency of any production process in any industry, you first must optimize the HVAC and auxiliary installations that provide it with vital behind-the-scenes support. One of the few flow technologies capable of measuring saturated and superheated steam, the versatile SITRANS FX330 is well suited for applications such as steam boilers and steam cleaners and at monitoring compressed air systems and supply gases.

Your benefits

- Maintenance-free sensor design with a high level of durability with no moving parts
- 2-wire device with integrated pressure and temperature sensors eliminates the need for extra I/O devices and streamlines the steam billing process
- Easy-to-use interface utilizes HART for effective communication
- Isolation valve allows for inline checks and pressure sensor calibration with no process shutdown
- Cost-efficient energy calculation including net heat measurement
Rugged and durable for harsh oil & gas applications
The wear-resistant SITRANS FX330 is designed for uninterrupted performance despite challenging conditions typical of the industry, including high pressures, high temperatures, fluctuating process conditions and corrosive environments. The versatile SITRANS FX330 monitors the auxiliary systems in support of many processes. The FX330 can be incorporated directly into certain upstream and downstream applications, such as flarestacks, dehydrators, high-pressure gas and liquid pipelines, power generation from gas and refineries.

Your benefits
• Rugged sensor design resistant to potential water hammer effects
• Sensor profile minimizes pressure loss for more efficient operation
• Advanced Vortex Frequency Detection (AVFD) provides intelligent signal processing technology and secures stable and reliable measurements resistant to external disturbances
• Isolation valve permits field checks and calibration of pressure sensor without the need for process shutdown

Safety assurance for the chemical industry
HVAC and auxiliary systems consume roughly two-thirds of the total energy required to operate a chemical production process. Integrate the SITRANS FX330 into an automation or energy supply solution and use your resources more efficiently. Since the flowmeter is SIL-2 certified for operation in hazardous areas, it’s flexible and durable enough for installation almost anywhere the chemical industry needs to measure flow.

Your benefits
• Highly cost-efficient 2-wire design with integrated pressure and temperature measurement
• Sensor available in stainless steel or Hastelloy C22
• Self-diagnostics provide valuable information about the installation at start-up
• All sensors and electronics can be replaced without demounting the device from the process line, resulting in easier maintenance

SIL 2, ATEX, QPS and IECEx approvals make installation possible in a variety of hazardous locations.
For more information

Find everything about Flow Instruments:
usa.siemens.com/vortex

Explore the unique range of Process Instrumentation portfolio:
usa.siemens.com/pi

Contact your channel partner for more information:
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