

FSV430 ABB Flow Meter Vortex Flowmeter VortexMaster

Our Product Introduction

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Basic Information

- Brand Name: ABB
- Model Number: FSV430



Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: FSV430 ABB Flow Meter,



More Images



Product Description

Vortex flowmeter VortexMaster FSV430

VortexMaster FSV430 is the basic meter for volume flow applications. Available in flange-mount and wafer-type designs, VortexMaster FSV430 uses a two-wire transmitter with leading edge DSP-technology with excellent vibration compensation. Intuitive operation directly through the glass makes the FSV430 incredibly user-friendly.

Looking for a vortex flowmeter with integrated energy calculation?

Learn more about VortexMaster [FSV450](#).

Looking for a flowmeter that can be installed where others cannot due to space restrictions?

Learn more about the [SwirlMaster FSS430](#).

Overview

VortexMaster flowmeters accurately measure the flow of gases, liquids and steam over a wide range of temperatures. Vortex meters are ideal for use on all kinds of gases, low viscose liquids, and demineralized water, and they are ideal for direct, cost-effective steam mass flow measurement.

VortexMaster FSV430 is available with multiple communication protocols, such as HART 7, Modbus RTU, Profibus PA and

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FOUNDATION Fieldbus.

Optionally available:

- HMI for easy meter set up
- Integrated RTD for temperature compensation and saturated steam mass flow calculation
- Digital outputs for pulses, frequency and alarm signalization
- Remote transmitter with up to 30m (98 ft.) cable length
- Stainless steel transmitter housings

Data

General specifications:

- Intuitive operation
 - Easy Set-up function
 - Clear text display
 - Meter configuration through the front glass with closed cover
- Accuracy for liquids
 - +/- 0.65% of rate
- Accuracy for gases and steam
 - +/- 0.9% of rate
- Process connection / meter sizes
 - Flange-mount design / DN 15 to 300 (1/2 to 12 in.)
 - Wafer type design / DN 25 to 150 (1 to 6 in.)
- Approvals for explosion protection
 - ATEX, IECEx, cFMus, NEPSI
- SIL2-certified in accordance with IEC 61508
- Output / communication
 - 4 to 20 mA / HART 7
 - Modbus RTU-RS485
- Optional binary output
 - For use as a limit switch, pulse output or frequency output
- Optional input from field
 - Pressure, temperature, methane content, density gas analyzer

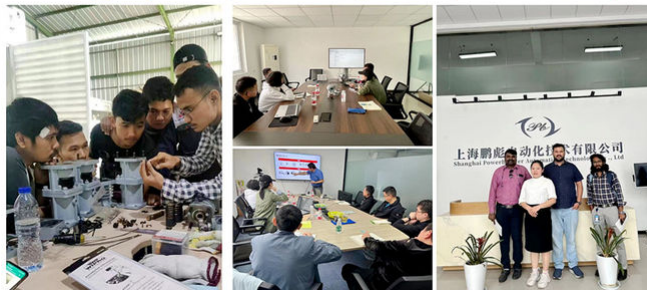
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Inner training, pre-shipment training, onsite commissioning, onsite training—Focus on detail and complete



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