

FSS430 Swirl Flowmeter SwirlMaster 4-20ma Vortex Air Flow Meter

Our Product Introduction

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Basic Information

- Brand Name: ABB
- Model Number: FSS430



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: 20ma vortex air flow meter.



More Images



Product Description

Swirl flowmeter SwirlMaster FSS430

SwirlMaster FSS430 is a unique flow meter for volume flow applications when installation space is narrow. It uses a two-wire transmitter with leading edge DSP-technology with excellent vibration compensation. Intuitive operation directly through the glass makes the FSS430 incredibly user-friendly. Flexibility in installation, due to low required inlet and outlet sections, can save up to 75% straight pipe run and enables installations in almost impossible situations. FSS430 is ideal for installation into existing environment.

Looking for a swirl meter with integrated energy calculation? Find out more about SwirlMaster [FSS450](#)

Overview

Swirl flowmeters can be utilized for highly accurate measurement of the flow of gases, liquids and steam over a wide range of temperatures in almost any application. Swirl 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.

SwirlMaster FSS430 is available with multiple communication protocols, such as HART 7, Modbus RTU, Profibus PA, and 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:

- Easy assembly
 - Only the shortest possible straight pipe lengths are required
 - Measuring ranges have been well adopted to the flow rates
- Intuitive operation
 - Easy Set-up function
 - Clear text display
 - Meter configuration through the front glass with closed cover
- Accuracy for liquids, gases and steam
 - +/- 0.5 % of rate
- Process connection / meter sizes
 - Flange design / DN 15 to 400 (1/2 to 16 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

Our Clients:



Our Partners:



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



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