Scientific Devices (Bombay) Pvt. Ltd.

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An ISO 9001-2015 Certified Company

Vortex Flowmeter (SDVFM Series)

Product Code : SDVFM-F-TPC

SDVFM vortex flowmeter using digital signal processing techniques (DSP), design of 14 level digital bandpass filter, thought the rapid Fu liye softeare algorithm, improves the vortex signal detection sensitivity, strengthen the vortex vibration resistance performance, breaks through the traditional simulation method for the vortex signal processing limitation. The **SDVFM** converter hardware used in the variable gain amplifier: to adapt to various caliber vortex sensor signal strength, the variable width of multilevel filter, the vortex signal effective pretreatment. Finally, the software uses the SDP technology, to achieve 14 band adaptive band-pass filter algorithm. This type of vortex converter using potentiometer design, All debugginh using keys set, therefore, is convenient for field debugging work, also improve the reliability of the instrument.

An advance version of SDVFM Series Vortex Flow Meter have temperature & pressure compensation feature **(Product Code : SDVFM-F-TPC).** Sensor which sense Fluid varying temperature & pressure & process these values & display the flow within accuracy limit therefor, change in temperature & pressure of fluid does not affect the performance of Vortex Flow Meter.

Specification

Fluid	: Liquid, Gas, Steam, Saturated Steam, Super Heated Steam
Line Size	: 15 NB to 300 NB
Available Material	: ASTM A 105 / SS304 / SS304L / SS316 / SS316L
Connection	: Flange / Waffer / Triclover
Power Supply	: 24 VDC
Out Put	: 4- 20 mA+HART
Relay Out Put	: Low & High Flow Alarm
Communication Port	: RS485 (Modbus)
Flow rate Display	: 5 Digit LCD
Totalizer Display	: 8 Digit LCD
Temperature Display	: 4 Digit LCD
Pressure Display	: 5 Digit LCD
Flow Unit	: M3/H, M3/M, L/H, L/M, USG/ M, Kg/H, Kg/M, t/H, t/M, NM3/H
Accuracy	:± 1% of FSD
Linearity	:1%
Repeatability	:0.33%

Available Options

Vortex Flowmeter for Temperature & Pressure Compensation

Product Code : SDVFM-F-TPC

Vortex Flowmeter

Product Code : SDVFM-F

Product Code : SDVF

Data Communication of Vortex Flowmeter to centralized computers Via GSM/GPRS Modem

Product Code : SDVFM-F-GSM

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