

Vortex Flowmeter (MK - VFM Series)



Product Code :MK-VFM-F-TPC

MK-VFM vortex flowmeter using digital signal processing techniques (DSP), design of 14 level digital bandpass filter, thought the rapid Fully softwre 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 **MK-VFM** 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 MK-VFM Series Vortex Flow Meter have temperature & pressure compensation feature (**Product Code : MK-VFM-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 / Wafer / Triclover
- Power Supply : 24 VDC
- Out Put : 4- 20 mA analog & pulse
- 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 : $\pm 1\%$ of FSD
- Linearity : 1%
- Repeatability : 0.33%

Available Options

Vortex Flowmeter for Temperature & Pressure Compensation



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Vortex Flowmeter



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Product Code : MK-VF

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



Product Code : MK-VFM-F-GSM