

VORTEX FLOW METER

VFM52 SERIES VORTEX FLOWMETER

Flow Measurement

& Monitoring



DESCRIPTION

VFM52 is a micro flow meter utilizing “Karman vortex” theory, which can meet the requirement of measuring small flow rate of various fluids such as air, non-corrosive gas and liquid, pipeline with diameter from 8mm to 25mm.

The VFM52 is a compact and economical model suitable for application of compressed air consumption, gasoline vapour recovery, non-corrosive gas (CO₂, Argon) in small pipe lines, etc. The dual-sensor is designed to mitigate vibration interference.

FEATURES

- ✓ Compact, economical model
- ✓ Wet/dry air measurement
- ✓ Small pipeline measurement - DN15 (DN8 to DN25 connector available)
- ✓ Dual-sensor design can mitigate vibration interference
- ✓ Communication via bluetooth and APP (optional)
- ✓ User friendly operating interface

TECHNICAL FEATURES

Pipe diameter	DN15 (DN8 to DN25 connector available)
Range	Water: 1 to 20L/min Gas/air: 20 to 300L/min (actual flow)
Repeatability	0.3%
Power Supply	5V DC
Output / Communication	Pulse (Default is 2.5L/pulse)
Medium Temperature	-40 to 85°C
Operating Temperature	-20 to 60°C
Environment Humidity	5% to 99%
Pressure Rating	1MPa
Process Connection	G1/2 thread
Protection	IP67
Ex-Proof	Ex ia II B T4 Ga
Material	Shedder bar: PPS; Shell: PPS

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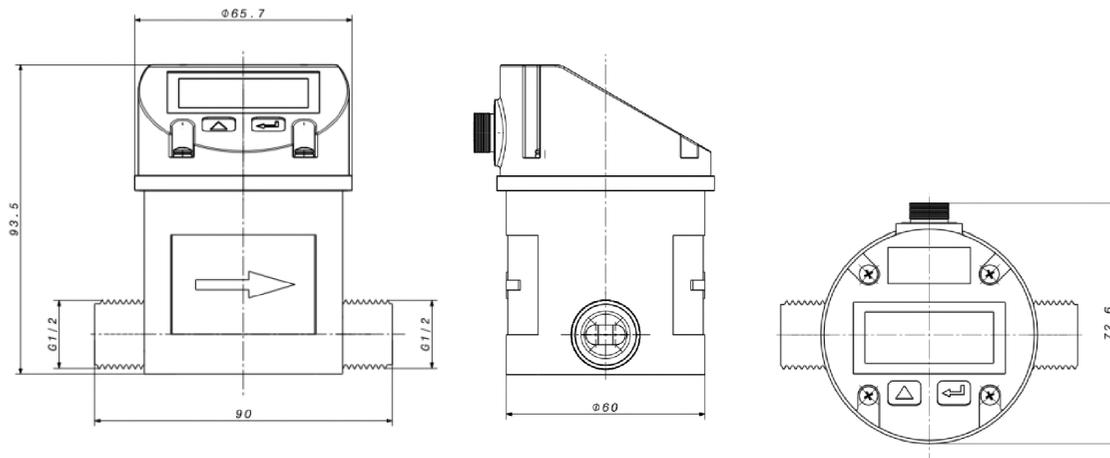
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DIMENSION/DRAWING



MODEL SELECTION

Ordering code format **VFM52 - 2 - A - G - 1 - 1 - XXX**

	Description	Model	X	X	X	X	X	X
Model	With integral RTD and pressure sensor, for gas only (Standard)	VFM52MV						
	With integral RTD, for liquid only	VFM52T						
Fluid Type	With integral pressure sensor, no display, Ex ia version	VFM52N						
	Liquid		1					
	Gas (Standard)		2					
Output	Frequency, RS485, Bluetooth for gas only			A				
	Frequency, 0 to 10V, RS485, Bluetooth for liquid only			E				
	24VDC power with barrier, pulse output (For EX ia version)			D				
Connection	G thread, male				D1			
Accuracy	1% RD (actual flow accuracy)					1		
	3% RD (actual flow accuracy) (Standard)					2		
Power Supply	24VDC						1	
Pipe Size	DN8 (1/4")							8
	DN10 (3/8")							10
	DN15 (1/2")							15
	DN20 (3/4")							20
	DN25 (1")							25

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