



■ Vortex Flow Meter RF3400

Suitable for measurement of flow of liquid and gas in Petroleum, Chemical, Power, Urban Water Supply, Boilers and Medical Applications.

Salient Features

- Austenitic Stainless Steel made Sensor
- Compact designed structure
- Resolution up to $\pm 0.2\%$
- Standard 4-20 mADC Analog/ Pulse Output
- Compatible with RS232, RS485 & HART Communication Interfaces
- Suitable for medium temperature up to 350°C
- Long transmission range up to 1000 m
- Li Battery powered remote version
- Heat Dissipation Function for High Temperature Application

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RF3400 Vortex Flowmeter

Technical Parameters

Characteristics	Parameter
Medium	Liquid, Gas, Steam (Saturated & Super saturated); Special type suitable for corrosion & sanitary applications.
Line Sizes	15 ~ 400 mm
Max. Flow Rate	Liquid: 0.3 ~ 7 m/s Gas: 3 ~ 55 m/s
Resolution	± 0.2%
Accuracy	± 1% FS
Output	Pulse/ 4-20 mADC Analog
Power Supply	Std. 24 VDC (±10%); Remote version with 3.4V Lithium Battery
Max. Operating Pressure	Standard 1.6 MPa; Custom 2.5 – 4.0 MPa as per requirement
T _{Ambient}	-30° C ~ +60° C
T _{Storage}	-30° C ~ +80° C
Relative Humidity	5 ~ 90 %
Sensor & Body Material	SS321/SS304/SS316
Protection Class	IP65, Explosion Proof: Exd (Flame Proof)
Transmission Distance	≤ 1km between Flowmeter & Secondary Instrument For remote display type: ≤ 200 m

RF3400 Model Selection Table

10	Line Size (DN)		Liquid Flow Range (m ³ /h)		Normal Gas Flow Range (m ³ /h)	
			Q _{min}	Q _{max}	Q _{min}	Q _{max}
	015	DN15	0.3	3	3	30
	020	DN20	0.6	6	6	60
	025	DN25	1.0	12	10	120
	032	DN32	1.2	15	12	180
	040	DN40	1.5	31	15	275
	050	DN50	2.2	49	25	458
	065	DN65	3.6	84	40	730
	080	DN80	5.5	127	55	1008
	100	DN100	8.5	198	85	1550
	125	DN125	13.3	309	140	2566
	150	DN150	19.1	445	190	3483
	200	DN200	34	790	340	6230
	250	DN250	70	900	700	9000
	300	DN300	130	2100	1200	21000
	350	DN350	180	2500	1500	25000
	400	DN400	230	3400	2000	34000
20	Output					
						1 Pulse 2 4-20 mADC Analog
30	Flowmeter Type					
						1 Standard for Liquid, Gas, Steam (Saturated & Super saturated) 2 Special for Corrosive medium/ Sanitary type (with customized connections) 3 Remote Version (Battery Powered)
40	Operating Temperature Range					
						L -10° C ~ +150° C (Low Temperature Type) M -10° C ~ +250° C (Medium Temperature Type) H -10° C ~ +350° C (High Temperature Type)
50	Communication Interface					
						N None 1 RS232 2 RS485 3 HART 4 Custom
60	Operating Pressure					
						1 Standard (1.6 MPa) 2 Custom (2.5 ~ 4.0 MPa) – Specify
70	Compensation (N=None)					
						P Pressure Compensation T Temperature Compensation C Pressure & Temperature Compensation