

Flow Sensor

Model: ZJX-PA-F-A4



PRODUCT FEATURES AND APPLICATION FIELDS

Description:

ZJX-PA-F-A4 flow sensor is an electronic turbine flow sensor. The measuring medium is processed through an intelligent circuit programming after passing through the turbine, and converted into analog signals and switch signals for output. It also displays instantaneous flow and cumulative flow values for systematic measurement and control

Features:

- LCD digital display of instantaneous flow value and cumulative flow value
- Remote flow measurement and control
- Multiple output signals to choose from
- Good stability and strong anti-interference

Advantages:

- Compact and easy to operate
- With switch alarm setting function
- Can be equipped with explosion-proof structure
- Support OEM/ODM customization

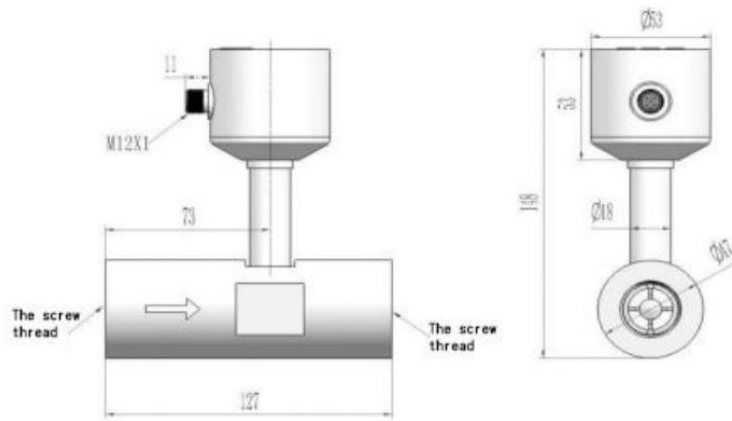
Application:

Petroleum and chemical industry
 Steel, Metallurgy
 Food and Beverage
 Medical, pharmaceutical
 Civil engineering, building materials
 Sewage treatment, water conservancy irrigation
 Farmland, electricity
 Environmental protection equipment and construction machinery
 Paper making and mining machinery
 Gas pipeline network, fire protection, scientific research
 Gas, heating, air conditioning systems
 Textile machinery, fire protection

PRODUCT PARAMETERS

Structure	Without EX-proof,Explosion-proof
Nominal Diameter	DN4~DN300
Installation Form	Flange connection,Internal thread connection,External thread connection,Chuck connection,Customizable
Output	PNP,NPN,4-20mA,0-10V,Two way switch,Two way switch + 4-20mA,Two way switch +pulse,Customizable
Communication	No communication,RS485,HART
Power Supply	24VDC,220VAC,Customizable
Accuracy	±0.5%F.S,±1%F.S
Nominal Pressure	16bar,25bar,63bar,250bar(≤DN50),400bar(≤DN50),Customizable
Electrical Connections	M12*1 connection,Hirschmann,1/2NPT(Explosion proof enclosure),Customizable

OVERALL DIMENSIONS



range of flow

nominal diameter DN (mm)	Flow range (m ³ /H)						nominal pressure PN (MPa)	Max pressure loss (MPa)
	lower limit	upper limit	lower limit	upper limit	lower limit	upper limit		
2					0.03	0.16	Screw compression: 6.3 Flange pressure : 1.6 Please indicate special pressure resistance	0.15
4					0.04	0.25		0.12
6					0.1	0.6		0.08
10					0.2	1.2		0.05
15			0.6	4	0.6	6		0.035
20					0.8	8		
25			1.6	10	1	10		0.025
32					1.5	15		
40	3	20	3	20	2	20		
50	6	40	6	40	4	40		
65					8	80		
80	16	100	16	100	10	100		
100	25	160	25	160	20	222		
125					25	250		
150	60	400	50	300	40	400		
200			100	600	80	800		
250			160	1000	120	1200		
300			260	1600	180	1800		

Meter diameter (mm)	L (mm)	H (mm)				G External thread)
		pulse mode	Explosion-proof pulse type	4-20mA output-based	intelligent LED display terminal	
4	225	140	145	145	210	G1/2
6	225	140	145	145	210	G1/2
10	345	145	150	145	210	G1/2
15	75	145	150	150	215	G1
20	80	150	155	155	220	G1
25	100	155	160	160	225	G1 1/4
32	140	175	180	180	245	G2
40	140	180	185	180	250	G2
50	150	185	190	190	255	G2 1/2

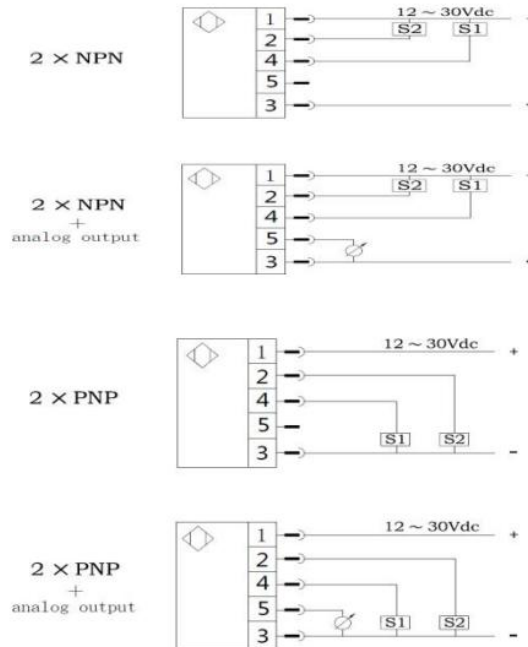
Note: The above DN4-DN10 flow sensor contains the factory standard size of straight pipe segment, and DN15-DN50 caliber flow sensor does not contain the size of straight pipe segment

Dimensions.2 (flanged type)

Meter diameter (mm)	L (mm)	D (mm)	K (mm)	H (mm)				d (mm)	n (hole count)	The standard pressure
				pulse mode	explosion-proof Pulse type	4-20mA output-based	intelligent LED display terminal			
15	75	95	65	175	180	180	245	14	4	2.5 MPa
20	80	105	75	185	190	190	255	14	4	
25	100	115	85	200	195	195	260	14	4	
32	140	140	100	210	215	215	275	18	4	
40	140	150	110	195	220	220	285	18	4	
50	150	165	125	230	235	235	295	18	4	
65	170	185	145	255	260	260	325	18	4	1.6 MPa
80	200	200	160	260	265	265	330	18	8	
100	220	220	180	285	285	285	350	18	8	
125	250	250	210	310	315	315	380	18	8	
150	300	285	240	345	345	345	410	22	8	
200	350	340	295	395	400	400	465	22	12	

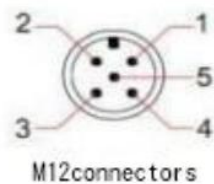
PRODUCT CONNECTION MODE

1 the wiring diagram.



Wiring Diagram.2 (Pulse Output)

stitch	cable	signal
1	brown	power supply
2	white	Switch 2
3	blue	GND
4	black	Switch 1
5	gray	MA/pulse P



PRODUCT SELECTION TABLE

Code										
ZJX-PA-F-A4	Flow Sensor									
	Code	Nominal Diameter								
	Fill In The Actual Demand	DN4~DN300								
	Code	Structure								
	F0	Without EX-proof								
	F1	Explosion-proof								
	Code	Installation Form								
	I1	Flange connection								
	I2	Internal thread connection								
	I3	External thread connection								
	I4	Chuck connection								
	I5	Customizable								
	Code	Output								
	S1	PNP								
	S2	NPN								
	S3	4-20mA								
	S4	0-10V								
	S5	Two way switch								
	S6	Two way switch + 4-20mA								
	S7	Two way switch +pulse								
	S8	Customizable								
	Code	Communication								
	C0	No communication								
	C1	RS485								
	C2	HART								
	Code	Power Supply								
	P1	24VDC								
	P2	220VAC								
	P3	Customizable								
	Code	Accuracy								
	A1	±0.5%F.S								
	A2	±1%F.S								
	Code	Nominal Pressure								
	D1	16bar								
	D2	25bar								
	D3	63bar								
	D4	250bar(≤DN50)								
	D5	400bar(≤DN50)								
	D6	Customizable								
	Code	Electrical Connections								
	M	M12*1 connection								
	H	Hirschmann								
	E	1/2NPT(Explosion proof enclosure)								
	C	Customizable								
ZJX-PA-F-A4	DN50	F0	I2	S5	C0	P1	A1	D1	M	Model No.Example


ZIJUXING

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