

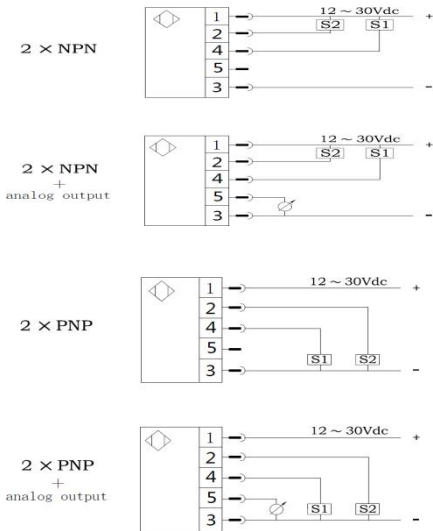


principle and characteristics

SN51B series electronic turbine flow sensor is also an intelligent flow switch, which is a delicate flow sensor. It has the advantages of small size and simple setting. The built-in intelligent circuit can set the upper and lower limit alarm value of the flow at will, and can monitor the real-time flow condition remotely. The turbine measuring medium is processed by the intelligent circuit of the sensor through the flow rate and then programmed arbitrarily.

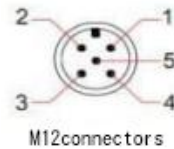
- ◆ Suitable for measuring low viscosity media, such as water, diesel oil, gasoline.
- ◆ Add upper and lower limit alarm function on the basis of traditional turbine flowmeter.

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



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		

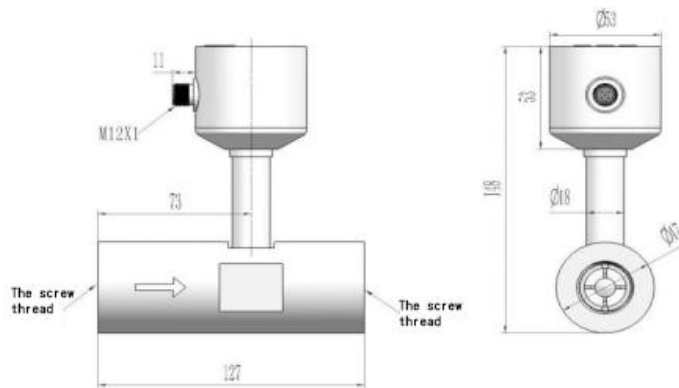
Meter diameter (mm)	L (mm)	H (mm)				G External thread)
		pulse mode	Explosion-proof pulse type	4-20mA output-based	intelligent LED display terminal	
4	225	140	145	145	210	G1/2
6	225	140	145	145	210	G1/2
10	345	145	150	145	210	G1/2
15	75	145	150	150	215	G1
20	80	150	155	155	220	G1
25	100	155	160	160	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	

dimension figure



Selection table

SN51B-	025	D	P	2	K	1	Q	specification
SN51B-								SN51B series electronic turbine flow sensor
	025							Diameter option,025 represents DN25 pipeline (pipeline can be selected according to the size drawing, please consult sales engineer for special pipe diameter)
		D						Power supply: 24V
			P					PNP output
			N					NPN output
				1				Two way switch quantity
				2				Two-way switch + analog 4-20mA output
				3				Two-way switching quantity + pulse output
					K			Internal thread installation
					H			External thread installation
					D			flanged joint
					G			Sanitary clamp connection
						1		Pressure: 16 bar
						2		Pressure: 25 bar
						3		Pressure: 63 bar
						4		Pressure withstand: 250bar (diameter ≤ DN50)
						5		Pressure withstand: 400bar (diameter ≤ DN50)
							Q	M12 x 1 connector

The factory is standard equipped with electrical accessories M12 connector type ZL05-PU02FG

* Please indicate the flow direction of medium, medium type, pipe diameter and expected measurement range when ordering. We can help you complete the precise effect at the factory.

* For viscous media, please indicate viscosity, temperature and type of media, as well as flow range.

* The selection table is only available for parameter selection, and the corresponding code is delivered.