



An overview of the

Turbine flow sensor is a precision flow measurement instrument, suitable for measuring low viscosity media, such as water, diesel, gasoline, etc. It can be used to measure the flow rate and the total amount of liquid when matched with the corresponding flow calculating instrument shell. Widely used in petroleum, chemical, metallurgy, scientific research and other fields of calculation, control system.

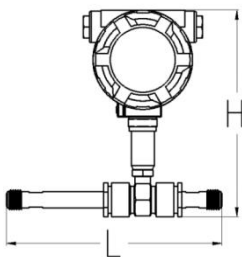
Sensors have common type, high precision type and wear-resistant type (hard alloy) and other forms. Amplifiers are available in both normal and flameproof types. The sensor can also be used with a field flow product meter (powered by a lithium battery, which can be replaced after 1 year).

The standard number of this product is ZBN12005-19989

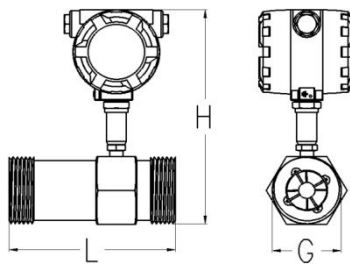
Nominal diameter DN (mm)	Flow range						Nominal pressure PN (MPa)	Pressure loss of the largest (MPa)
	The low limit	ceiling	The low limit	ceiling	The low limit	ceiling		
2					0.03	0.16	6.3	0.15
4					0.04	0.25		0.12
6					0.1	0.6		0.08
10					0.2	1.2	16	0.05
15			0.6	4	0.6	6	25	0.035
20					0.8	8		
25			1.6	10	1	10		
32					1.5	15	40*	0.035
40	3	20	3	20	2	20		
50	6	40	6	40	4	40		
65					8	80	2.5	0.025
80	16	100	16	100	10	100		
100	25	160	25	160	20	222		
125					25	250	1.6	0.025
150	60	400	50	300	40	400		
200			100	600	80	800		
250			160	1000	120	1200	1.6	0.025
300			260	1600	180	1800		

Size chart

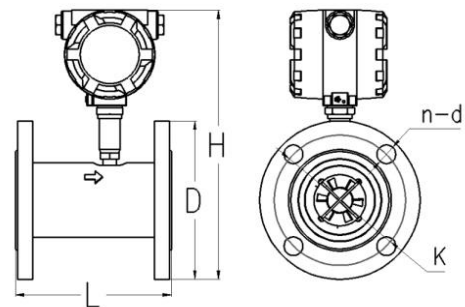
DN4-DN10 Threaded connection, including straight pipe segment



DN15-DN50 Threaded connections



Flange connection



Dimensions FIG. 1 Threaded connection type

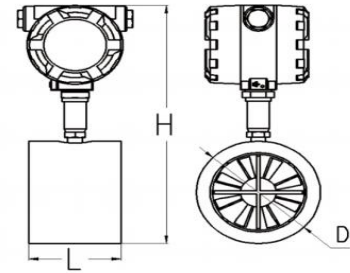
Meter diameter (mm)	L (mm)	H (mm)				G (external thread)
		Pulse type	Explosion-proof pulse Flush type	4-20mA Output type	Smart show In type	
4	225	140	145	145	210	G1/2
6	225	140	145	145	210	G1/2
10	345	145	150	145	210	G1/2
15	75	145	150	150	215	G1
20	80	150	155	155	220	G1
25	100	155	160	160	225	G1 1/4
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 includes the factory standard size of straight pipe segment, while the DN15-DN50 caliber flow sensor does not include the size of straight pipe segment

Dimensions FIG. 2 Flange connection type dimensions

Instrument CAL (mm)	L (mm)	D (mm)	K (mm)	H (mm)				d (mm)	n (Number of holes)	The standard pressure
				pulse Output type	Explosion-proof pulse output type	4-20mA Output type	smart According to type			
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	

Dimensions FIG. 3 Clamp connection type



Instrument CAL (mm)	L (mm)	D (mm)	H (mm)			
			pulse Output type	Explosion-proof pulse Output type	4-20mA Output type	smart According to type
4	50	38	145	/		215
6	50	38	145		215	
10	50	38	145		215	
15	55	47	155		220	
20	60	53	160		225	
25	60	58	165		230	
32	70	66	170		240	
40	70	72	180		245	
50	70	92	195		260	
65	80	100	205	210	210	275
80	90	112	220	225	225	290
100	100	137	245	250	250	310
125	120	165	270	275	275	340
150	150	190	295	300	300	365
200	150	243	350	350	350	415

Selection table

FC10-	025	A	2	B	P1	DC	详述
FC10-							FC10 Turbine type flowmeter
	025						DN4 DN6 DN10 DN15 DN20 DN32 DN40 DN50 DN65 DN80 DN100 DN125 DN150 DN200 DN250 DN300(For special pipe diameters, consult sales engineers.) Diameter option: 025 stands for DN25
		A					Battery powered local display
		B					The pulse signal
		C					Output from 4 to 20mA is not displayed
		D					One way 4~20mA output + switch output +LED display
		E					One way 4~20mA output + switch output +LCD display
			1				Connection with external thread (for DN50)
			2				Internal thread connection (for DN50)
			3				Flanged connection (for DN15)
			4				Sanitary grade clamp connection
			5				Clamp type connection
				A			Precision 0.2% (suitable for DN15 or more pipelines)
				B			Accuracy 0.5% (suitable for DN10 or more pipelines)
				C			Accuracy of 1%
					P1		Pressure of 16 bar
					P2		Pressure of 63 bar
					P3		Pressure of 250 bar
					P4		Pressure of 400 bar
						DC	Power supply mode: 12-24VDC
						B	Power supply: 3.6V lithium battery (only for no output)

Note: Support for special customization

* When ordering, please indicate the medium flow direction, medium type, pipe diameter and expected measurement interval value. We can help you complete the accurate test when leaving the factory * If the viscous medium, please specify the viscosity, temperature and type of medium, and the flow range.