Internal thread type

External thread type

Chuck type

Flange type

LED Display unit

LCD Display unit

principle characteristics

The sensor has the common type, the high precision type and the wear-resisting type (the hard alloy) and so on many kinds of forms. The amplifiers come in both normal and flameproof, and the sensor can also be used with the field flow meter (lithium battery power, 1 year replacement battery).

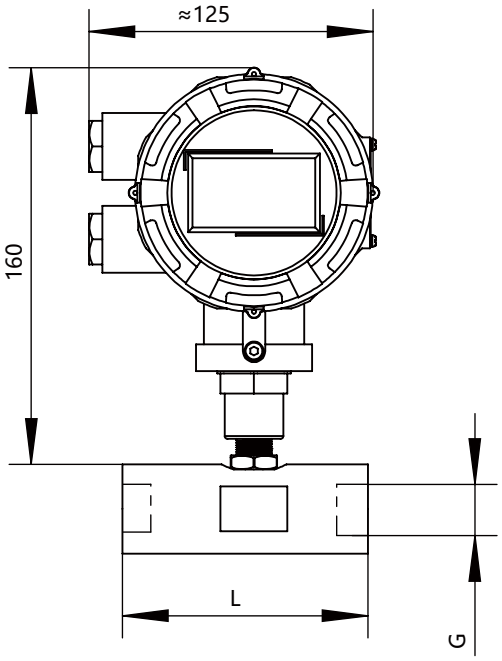
product application

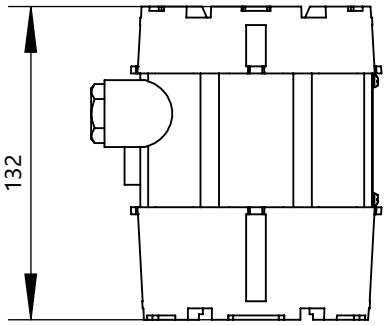
Turbine flow sensor is a kind of precise flow measurement instrument, suitable for measuring low viscosity medium, such as water, diesel, gasoline, etc. It can be used to measure the flow rate and the total amount of the liquid. Widely used in petroleum, chemical, metallurgy, scientific research and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

Range table

Nominal diameter DN(mm)	Flow range (m³/h)		Nominal pressure PN(MPa)	Maximum pressure loss (MPa)
	lower limit	Upper limit		
10	0. 2	1. 2	6. 3 16 25 40*	0 . 05
12	0.4	4		0. 035
15	0. 6	6		
20	0. 8	8		
25	1	10		
32	1. 5	15		
40	2	20	2. 5	0. 025
50	4	40		
65	8	80		
80	10	100		
100	20	222		
125	25	250	1. 6	
150	40	400		
200	80	800		
250	120	1200	1. 6	
300	180	1800		

Dimension drawing(mm)





Nominal diameter (mm)	Flange connection (1.6MPa)					External thread			Internal thread		Clamp connection	
	flange diameter	Center distance	pitch	hole count	thickness	Body length L		Process connection G	Body length L	Process connection G	Process connection outer diameter	Body length L
						Straight pipe	no straight pipe					
10						345	65	G1/2	80	1/2	50.5	50
12	95	65	14	4	14	65		G3/4	80	1/2	50.5	50
15	95	65	14	4	14	75		G1(33.2)	110	1/2	50.5	75
20	105	75	14	4	16	85		G1(33.2)	115	3/4	50.5	85
25	115	85	14	4	16	100		G1-1/4(41.9)	140	1	50.5	100
32	140	100	18	4	18	120		G1-1/2(47.8)	172	1-1/4	50.5	120
40	150	110	18	4	18	140		G2(59.6)	180	1-1/2	64	140
50	165	125	18	4	20	150		G2-1/2(75.1)	200	2	78	150
65	185	145	18	8	20	175		G3	235	2-1/2	91	175
80	200	160	18	8	20	200			260	3	106	200
100	220	180	18	8	22	220					119	220
125	250	210	18	8	22	250						
150	285	240	22	8	24	300						
200	340	295	22	12	26	360						
250	400	355	26	12	28	400						
300	460	410	26	12	32	500						

Selection table

FM110-	015	A	M	L	-	-	-	expatiate
FM110-								FM110 turbine flowmeter
	010							Measuring caliber DN10
	010B							Measuring caliber DN10(with straight pipe)
	012							Measuring caliber DN12
	015							Measuring caliber DN15
	020							Measuring caliber DN20
	025							Measuring caliber DN25
	032							Measuring caliber DN32
	040							Measuring caliber DN40
	050							Measuring caliber DN50
	065							Measuring caliber DN65
	080							Measuring caliber DN80
	100							Measuring caliber DN100
	125							Measuring caliber DN125
	150							Measuring caliber DN150
	200							Measuring caliber DN200
	250							Measuring caliber DN250
	300							Measuring caliber DN300
		F						Pulse output (LED display unit)
		A						4~20mA output (LED display unit)
		S						4~20mA + pulse + switching output (LCD display unit)
		R						4~20mA + pulse + switching quantity + communication output (LCD display unit)
		C						Battery powered No output (LCD display unit)
			M					External thread connection (for ≤DN50)
			K					Internal thread connection
			F					Flanged connection (applicable to ≤ 4Mpa)
			H					Sanitary hose clamp connection (applicable to ≤ DN100) (applicable to ≤ 1.6Mpa)
				L				Pressure resistance 16bar
				H				Pressure resistance 250bar
					-			Non-explosion proof
					-E			anti-explosion
						-		Conventional type (medium temperature: ≤100℃)
						H		High temperature type (medium temperature: ≤130℃)
						H1		Ultra-high temperature type (medium temperature: ≤180 ° C, must choose Coil type, instrument installation position from the power frequency source >500mm)
							-	Measuring medium: oil (factory default)
							S	Measuring medium: water