

YSLWY Liquid Turbine Flowmeter

Features

- High accuracy, generally up to $\pm 1\%R$, $\pm 0.5\%R$, high-precision up to $\pm 0.2\%R$;
- Good repeatability, short-term repeatability can reach 0.05%~0.2%, it is because of its good repeatability, such as frequent calibration or online calibration can get very high accuracy, is the preferred flowmeter in trade settlement;
- Output pulse frequency signal, suitable for total measurement and computer connection, no zero drift, strong anti-interference ability;
- High frequency signal (3~4kHz) can be obtained, and the signal resolution is strong. The range is wide, the large caliber can reach 1:20, and the small caliber is 1:10



Specifications

Diameter (mm) and connection	Threaded connection: 4、6、10、15、20、25、32、40 Flange connection: 15、20、25、32、40、50、65、80、100、125、150、200	
Accuracy	$\pm 1\%R$ 、 $\pm 0.5\%R$ 、 $\pm 0.2\%R$ (By customized)	
Range ratio	1:10;1:15;1:20	
Material	304、316	
Conditions of use	Medium temp.: $-20^{\circ}\text{C} \sim +120^{\circ}\text{C}$ RH: 5%~90%	Ambient temp.: $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ Atmospheric pressure: 86kPa~106 kPa
Signal Output	Pulse signal, 4-20mA current signal	
Communication output	RS485、HART	
Power supply	A, external power supply: $+24\text{VDC} \pm 15\%$, ripple $\leq \pm 5$, suitable for 4-20mA output, pulse output, RS485, etc B, internal power supply: 1 set of 3.0V10AH lithium battery, battery voltage 2.0V~3.0V can work normally.	
Signal interface	Basic model: Hausmann connector or three-core cable; Explosion-proof type: internal thread $M20 \times 1.5$	
Ex Class	ExiallCT4 or ExdIIBT6	
IP rating	IP65	

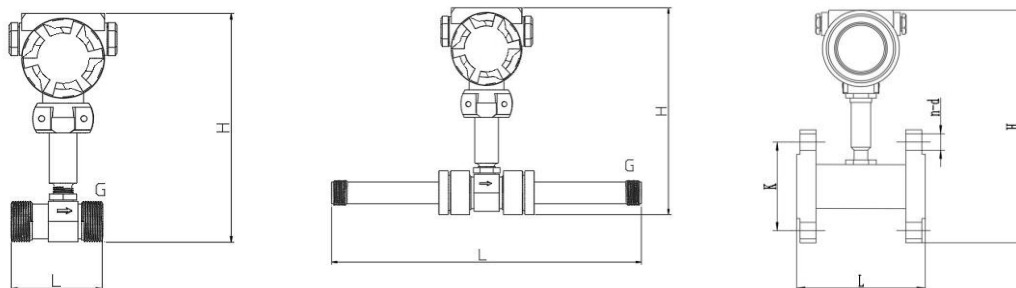
■ Range and pressure

DN(mm)	Standard range (m ³ /h)	Extended range (m ³ /h)	Conventional connection and pressure rating	Special pressure rating (Mpa) (Flange clamp)
4	0.04~0.25	0.04~0.4	Thread /6.3MPa	10、16、25

6	0.1~0.6	0.06~0.6	Thread /6.3 MPa	10、16、25
10	0.2~1.2	0.15~1.5	Thread /6.3 MPa	10、16、25
15	0.6~6	0.4~8	Thread /6.3 MPa	4.0、6.3、10、16、25
			Flange /2.5 MPa	
20	0.8~8	0.45~9	Thread /6.3 MPa	4.0、6.3、10、16、25
			Flange /2.5 MPa	
25	1~10	0.5~10	Thread /6.3 MPa	4.0、6.3、10、16、25
			Flange /2.5 MPa	
32	1.5~15	0.8~15	Thread /6.3 MPa	4.0、6.3、10、16、25
			Flange /2.5 MPa	
40	2~20	1~20	Thread /6.3 MPa	4.0、6.3、10、16、25
			Flange /2.5 MPa	
50	4~40	2~40	Flange /2.5 MPa	4.0、6.3、10、16、25
65	7~70	4~70	Flange /2.5 MPa	4.0、6.3、10、16、25
80	10~100	5~100	Flange /2.5 MPa	4.0、6.3、10、16、25
100	20~200	10~200	Flange /1.6 MPa	2.5、4.0、6.3、10、16、25
125	25~250	13~250	Flange /1.6 MPa	2.5、4.0、6.3、10、16
150	30~300	15~300	Flange /1.6 MPa	2.5、4.0、6.3、10、16
200	80~800	40~800	Flange /1.6 MPa	2.5、4.0、6.3、10、16

Installation size

The installation method of the sensor is based on different specifications, and adopts threaded or flange connection.



Nominal diameter (mm)	Meter length L(mm)	Male thread G	Flange outer diameter D(mm)	Center distance K(mm)	Height H(mm)	Bore diameter d(mm)	Bore count (n)
DN4	225	G1/2			200		
DN6	255	G1/2			200		

DN10	345	G1/2	90	60	200	14	4
DN15	75	G1	95	65	260	14	4
DN20	85	G1	105	75	270	14	4
DN25	100	G1 1/4	115	85	280	14	4
DN32	120	G1 1/2	140	100	290	18	4
DN40	140	G2	150	110	300	18	4
DN50	150	G2 1/2	165	125	310	18	4
DN65	175	G3	185	145	330	18	4
DN80	200		200	160	340	18	8
DN100	220		220	180	360	18	8
DN125	250		250	210	390	18	8
DN150	300		285	240	420	22	8
DN200	360		340	295	470	22	12

Product selection code

	YSLWY	XXX	X	X	X	X	X	X
DN(mm)	2-3 digits 15~300							
Nominal pressure	0.6MPa		P1					
	1.0MPa		P2					
	1.6MPa		P3					
	2.5MPa		P4					
	4.0MPa		P5					
	Others		P6					
Connection mode	Flange type			1				
	Gripper type			2				
	Hygienic type			3				
	Thread type			4				
Output	24V power supply, output three-wire pulse signal				N			
	DC24 power supply, output two-wire 4~20mA				A			
	Lithium battery power supply, no signal output is displayed on site				B			
	DC24 power supply, field display and output two-wire 4~20mA				C			
	DC24 power supply, on-site display and RS485				C1			
	DC24 power supply, on-site display and HART				C2			
Accuracy	Class 0.5					05		
	Class 1.0					10		
Material	304 Stainless steel						S	
	316 Stainless steel						L	
Explosion	Non-explosion proof							A
	ExdIIBT6							B