

TURBINE FLOW METER

INTRODUCTION:

Turbine flowmeter is widely used in petroleum, organic liquid, inorganic liquid, liquefied gas, natural gas, gas, etc. It is widely used in the transfer and gathering stations of liquefied petroleum gas, product oil and light crude oil, and in large crude oil transmission pipelines for trade settlement.



FUNCTION:

1. High accuracy, $\pm 1\% R$, $\pm 0.5\% R$, $\pm 0.2\% R$; (R refers to reading error);
2. Good repeatability, short-term repeatability can reach 0.05% ~ 0.2%
3. Local display, instantaneous flow and cumulative flow;
4. Output pulse frequency signal, 4-20mA, 485 communication;
5. High frequency signal can be obtained with strong signal resolution;
6. Range ratio: 1:20 for medium and large caliber and 1:10 for small caliber;
7. Compact and light structure, convenient installation and maintenance;
8. There are many types of special sensors, which can be designed as various special sensors according to the special needs of users,
9. Support the flow rate conversion display function, which is convenient for viewing the current flow rate on site;
10. Support 4-20mA output, pulse output and RS485 communication output.

FLOW RANGE AND PRESSURE:

(DN) MM	Flow (m ³ /h)			Pressure(MPa)
	Class 0.2	Class 0.5	Class 1.0	
4			0.04-0.25	6.3
6			0.1-0.6	6.3
10			0.2-1.2	6.3
15	1.2-4	0.6-6	0.4-6	2.5 6.3 16
20	2-6	0.8-8	0.6-8	
25	3-10	1.2-12	1.2-12	
32	4-12	1.5-15	1-20	
40	8-25	3-30	3-30	
50	12-40	5-50	5-50	
65	15-60	7-70	5-70	
80	20-100	16-100	12-120	6.3 2.5
100	50-160	25-160	20-200	
125	50-200	30-250	25-280	
150	100-300	50-300	40-400	
200	200-600	100-600	80-800	
250	300-1000	160-1000	120-1200	2.5
300		250-1600		

SPECIFICATION :

Model	PT 5001	PT 5002	PT 5003
Signal output	Pulse	4-20mA	Pulse/4-20mA
Power	+24VDC±15%	+24VDC±15%	+24VDC±15%
Accuracy	±0.5%/±1%/0.2%	±0.5%/±1%/0.2%	±0.5%/±1%/0.2%
Flow range	Standard	Standard	Standard/Extended range
communication	No	No	RS485
Body materials	SS316	SS316	SS316
Explosion proof grade	No	Yes (optional)	Yes
Protect Grade	IP60	IP65	IP65
Diameter	DN4~DN250	DN4~DN250	DN4~DN250
Materials temperature	-20°C~180°C	-20°C~180°C	-20°C~180°C
Connect type	Thread/flange/Clamp		

SELECTION TABLE:

1	Line Size		6	Structure	
	015	080		C	Integrated
	020	100		R	Seperated
	025	125		Power	
	032	150		A	24 VDC
	040	200		D	3.6 VDC
	050	250		C	220 VAC
	065	300		Display	
eg: 050=DN50; 300=DN300		8	1	LCD	
Flange standard			2	OLED	
2	16	1.6 MPa	9	Signal Output	
	20	ANSI 150#		0	4~20 mA
	40	4.0 MPa		2	Pulse
	60	6.0 MPa		4	4~20 mA +RS485
	50	ANSI 300#		M	Pulse +RS485
	60	ANSI 600#	Connection type		
	91	JIS 10K	1	Flange	
	92	JIS 20K	2	Thread	
3	Materials of impeller		10	3	Tri-clamp
	1	2CR13		4	Insertion
2	duplex stainless steel	Accurate			
4	Materials temperature			1	0.5%
	A	≤100 °C	2	1.0%	
	B	≤120 °C	Materials of sensor		
5	C	120 °C	12	1	Ss304
	Protection Grade			2	SS316L
	1	IP65		3	Customization
	2	IP68			

* Specifications Subject to change without Notice for continuous improvement



CONNECT+
IoT Solution Enabled

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