

GE-114 Turbine Flowmeter

When Fluid passes through the turbine, causing the turbine to rotate at a speed proportional to fluid velocity. As each turbine blade passes through the magnetic field generated by the meter's magnetic pick-up, an AC voltage pulse is generated. These pulses provide an output frequency that is proportional to volumetric flow. It could output

Specifications

1. Medium: Liquid, Steam, Gas or others
2. Full scale flow ranges from 0.04 to 1000m³/h
3. Rugged Compact Design
4. Stainless Steel 304, 316 316L or other
5. Thread, Flange, Clamp connection or others
6. Power: 24VDC, 110V AC, 220V AC, 240V AC
7. Pulse or 4~20mA output, or others
8. Accuracy Class:0.1, 0.5, 1.0, or others
9. Medium temperature:-40~+300C
10. Transmission distance: 500m



11. Custom OEM service.



Technology Data:

Medium	Liquid, Air, Gas, Steam	
Temperature	-40~+300C	
Pressure	1.6Mpa 2.5Mpa 4.0Mpa or others	
vibration acceleration	0.2~2.0g	
Range ratio	8:1 10:1 15:1	
Flow Range	Liquid: 0.35~7.0m/s; Air or Gas: 5.0~60.0m/s Steam:6.0~70.0m/s	
Pipe Size	Pipe Line	DN15-DN400
	Insert	DN200-DN1500 or OEM
Material	Stainless Steel 304 316 316L or others	
Reynolds	Standard $2 \times 10^3 \sim 7 \times 10^3$ Expand $1 \times 10^3 \sim 7 \times 10^3$	
Resistance	Cd≤2.6	
Protection grade	Standard: IP65 OEM: IP68	
Explosion drade	EX (ia) II CT2-T5 or Exd II BT2-T5	
Power supply	12VDC ~ +24VDC Battery 3.6V or others	
Output	Pulse: 2~3000Hz High Level ≤1V High Level ≥5V	
	4-20mA Ex-proof ≤300Ω Non Ex-proof ≤500Ω	

Type Number:

GE-114			Turbine flowmeter
	B		piezoelectric transducer
	E		capacitive transducer
		1	Only for full filled pipe Flange Connection
		2	Only for full filled pipe Clamp Connection
		3	Only for full filled pipe Thread Connection
		4	Instert type Insert Type
		2	Liquid
		3	Gas or Air
		4	Steam
		X	others

		Pipe size	015-800	15mm-800mm
	—	P		Standard
		B		Explosion Proof
Output			1	Pulse
			2	4~20mA + LCD display
			3	RS-485
			4	OEM for others

Pipe Size:

Pipe Size (mm)	Liquid		Air or Gas	
	Flow Range (m ³ /h)	Output (Hz)	Flow Range (m ³ /h)	Output (Hz)
15	1.2-6	115-580	4~28	240-2350
20	1.5-10	60-422	6~40	210-2132
25	2~16	35~400	10~60	190~1140
40	2.5~25	10~200	25~180	140~1040
50	3.5~40	8~130	35~300	94~1020
65	7.5~70	7~100	50~500	60~600
80	12~130	6~82	80~800	55~690
100	18~160	5~60	120~1200	42~536
125	25~250	4 ~ 46	150~1500	25~300
150	50~400	3~40	320~2800	33~380
200	70~700	2~31	560~6000	22~315
250	120~1200	2.5~25	890~8000	18~221
300	200~2000	2.2~22	1360~12000	16~213
300	200~1800	11~98	1560~15000	83~830
400	350~3000	11~92	2750~27000	83~836
500	500~4000	10~79	4300~43000	84~834
600	700~5600	9.5~76	6200~61000	83~830
800	900~7200	7~55	11000~110000	83~829
1000	1300~12000	6.3~56	17000~170000	83~820

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