

Features

- ◆ Hygienic food-grade flowmeter, measuring conductive and non-conductive, non-corrosive liquids.
- ◆ High accuracy, $\pm 0.5\%R$;
- ◆ Good repeatability, short-term repeatability can reach 0.05%~0.2%, good sensitivity and stability;
- ◆ Medium temperature: $-20-120^{\circ}\text{C}$; high temperature customization $-20-130^{\circ}\text{C}$.
- ◆ The viscosity of the medium is less than $5 \times 10^{-6} \text{m}^2/\text{s}$;
- ◆ Wide range, the medium and large diameter can reach 1:20, and the small diameter is 1:10;
- ◆ Can be mains powered or battery powered;
- ◆ Can be made into insert type, suitable for large-diameter measurement, can be taken out continuously, easy to install and maintain.

Measuring Medium

- ◆ Conductive and non-conductive, non-corrosive liquids. For example: milk, pure water, alcohol, diesel, etc.
- ◆ It is widely used in flow measurement and control in food, medicine, petrochemical and other production processes.



FLOW RANGE SHEET

Liquid turbine m3/h	
DN4	0.04-0.25
DN6	0.1-0.6
DN10	0.2-1.2
DN15	0.6-6
DN20	0.8-8
DN25	1-10
DN32	1.5-15
DN40	2-20
DN50	4-40
DN65	7-70
DN80	10-100
DN100	20-200
DN125	25-250
DN150	30-300
DN200	80-800

Item	Parameters
Nominal diameter	DN4-300mm
Power supply	24VDC, 3.6V battery powered
Material	SS304, SS316
Medium temperature	-20-120°C (130°C high temp. rod customizable)
Rated pressure	0.6-4.0Mpa (high pressure customizable)
Connection type	thread connection (DN4-50mm) tri-clamp connection (DN15-80mm) Flange type (DN10-300mm)
Flange standard	GB, ANSI, DIN, JIS
Protection level	IP65
Output communication	Pulse, 4-20mA, RS485 MODBUS , Hart
Explosion proof	Ex d IIC T6 Gb

► SELECTION TABLE



BTLWGY		XXX	X	X	X	X	X	X	X	X
Nominal diameter (mm)	Nominal Diameter Coding									
Design pressure	1.6Mpa	1								
	2.5Mpa	2								
	4.0Mpa	3								
	others	4								
Connection	flange	1								
	tri-clamp	2								
	thread	3								
	wafer	4								
Signal Output	Pluse		N							
	4-20mA		A							
	RS485		B							
	HART		C							
Power supply	3.6V		1							
	24VDC		2							
	3.6V+24VDC		3							
	220VAC		4							
LCD Display	Without		F							
	With		R							
Design temperature	-20-130°C		S							
	-20-180°C		G							
Material	SS304							1		
	SS316L							2		
Anti-explosion	Non-explosion proof								N	
	Exd II BT6								H	

Nominal Diameter Coding Table	
Nominal diameter	Coding
15	015
20	020
25	025
32	032
40	040
50	050
65	065
80	080
100	110
125	112
150	115
200	120
250	125
300	130