

Main Features

- ◆ Real mass flowmeter, no temperature and pressure compensation for gas flow measurement, convenient and accurate measurement. The mass flow or standard volume flow of the gas can be obtained.
- ◆ Wide range ratio, can measure the gas flow rate as high as 100Nm/s as low as 0.1Nm/s.
- ◆ Digital design. Overall digital circuit measurement, accurate measurement and easy maintenance.
- ◆ Using RS-485 communication or HART communication can realize factory automation and integration.
- ◆ Instantaneous flow unit: Nm³/h, Nm³/min, NL/h, NL/min, t/h, t/min, kg/h, kg/min.
Cumulative flow unit: Nm³, NL, t, kg.
- ◆ Insert type: Easy to install and maintain. Non-stop production installation and maintenance can be achieved where field conditions permit. (requires special customization)

Measuring Medium

Oxygen, nitrogen, hydrogen, compressed air and other clean single medium.

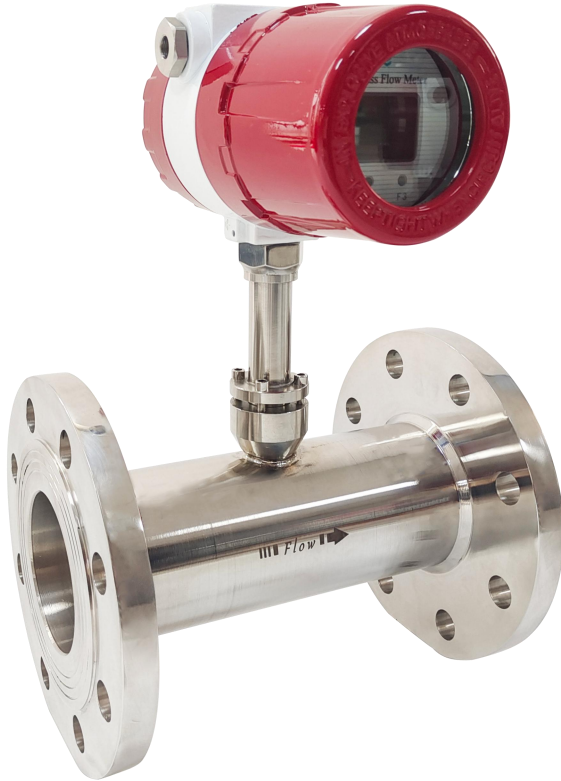


FLOW RANGE SHEET

Termal mass Nm ³ /h			
DN10	1.7-17	DN350	2100-21000
DN15	4-40	DN400	2700-27000
DN20	6-60	DN450	3420-34200
DN25	10-100	DN500	4200-42000
DN32	17-170	DN600	6000-60000
DN40	27-270	DN700	8100-81000
DN50	36-360	DN800	10800-108000
DN65	72-720	DN900	13800-138000
DN80	108-1080	DN1000	16800-168000
DN100	168-1680		
DN125	264-2640		
DN150	378-3780		
DN200	600-6000		
DN250	1000-10000		
DN300	1500-15000		

Item	Parameters
Nominal diameter	DN25-3000mm
Power supply	24VDC+220VAC dual power supply
Material	SS304, SS316
Medium temperature	-20-250°C
Rated pressure	1.0-4.0 Mpa
Connection type	Flange connection (DN15-400mm) Insertion type (DN65-1000mm; DN1200-3000mm)
Flange standard	GB, ANSI, DIN, JIS
Protection level	IP65
Output communication	Pulse, 4-20mA, RS485 MODBUS , Hart
Ball valve	SS304, 3/4"
Explosion proof	Ex d IIC T6 Gb

► SELECTION TABLE



BTMF		XXX	X	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									
	plug-in	5									
Signal Output	Pluse			N							
	4-20mA			A							
	RS485			B							
	HART			C							
Power supply	220VAC				1						
	24VDC				2						
Structure	Compact type					C					
	Remote type					R					
Design temperature	-20-150°C						S				
	-20-250°C						H				
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
400	140
450	145
500	150
600	160
700	170
800	180
900	190
1000	210
1200	212
1400	214
1500	215
1600	216
1800	218
2000	220