

Air Natural / Methane / Oxygen / Nitrogen Precession Vortex Flow Meter



Anti- nuisance



Anti-corrosion



Low power
dissipation



Easy Installation



PRODUCT PARAMATER



Basic Parameter

Instantaneous flow can be switched to display standard condition volume flow (Nm³/h) and operating condition volume flow (m³/h)

Prompt Line

001	Gas	TP	VTX
3.120		Nm ³ /h	Unit
101KPa	19.3	°C	Medium Temperature
Σ	0.0	Nm ³	Accumulative Total Flow

Medium pressure

Display instantaneous flow rate in standard condition (Nm³/h), cumulative total volume in standard conditions(Nm³), medium temperature (°C)and pressure (KPa).

Vortex Generator and Canceller

The inlet and outlet sections of the shell are respectively provided with a spiral blade and a spin eliminator



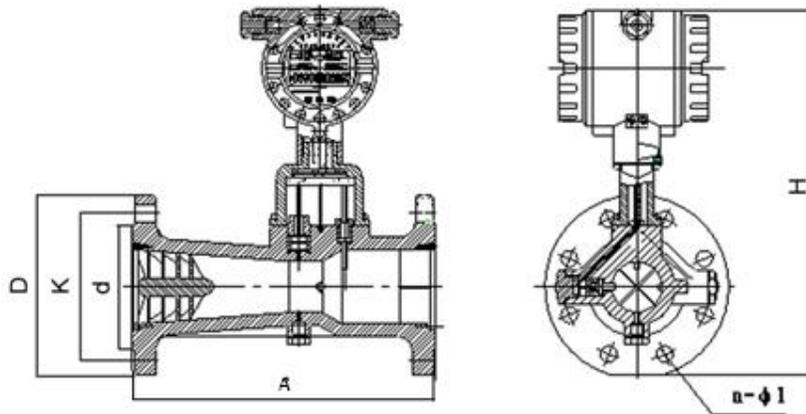


Flow unit	option: L/s L/m L/h m ³ /s m ³ /m m ³ /h Nm ³ /h USG/s USG/m USG/h Kg/s Kg/m Kg/h t/s t/m t/h default value : m ³ /h set the unit of instantaneous flow L (Litre), H(Hour), T(Ton), S(Second), M(Minute)
Decimal place selection	Option: 0 1 2 3 ,Default value : 1 Defines the number of decimal points of instantaneous flow
measuring range	floatation number: 99999999.00-0.00 m ³ /h, The default value: 100.0 m ³ /h When the instantaneous flow reaches the range, the converter output 20mA, changing this parameter will affect the current output, high alarm and low alarm. Note: When you change this set value (measure range), please note the unit of this parameter. You can change the unit of this parameter as needed.
Small signal removal	floating number: 9.90 ~ 0.00% ,default-value: 0.0% This set value is a percentage of the range.
High alarm	Floating point Numbers: 99.00 ~ 1.00% ,The default value:90.0% This set value is a percentage of the range. For example, if this value is set to 10, it is equal to 10% of the range. Lf the absolute value of the instantaneous flow is greater than (range x 10%), the converter outputs a high alarm signal and the high alarm contact is closed.
Low alarm	Floating point Numbers: 99.00 to 0.00% ,Default value: 0.0% This set value is a percentage of the range. For example, if this value is set to 10, it is equal to 10% of the range. Lf the absolute value of the instantaneous flow is less than (range x 10%), the converter outputs a low alarm signal and the low alarm contact is closed.
Damping time	Floating point Numbers: 30.0 ~ 0.1 ,Default value : 1
The total units	Option: L(liter) m ³ Nm ³ USG Kg t(ton) , The default value : m ³ Define total unit
The decimal of the total value	Option: 0 1 2 3 ,The default value: 1 Define the number of decimal points in the total
The default volume	Option : 99999999.00-0.00 m ³ /h, The default value : 0.0 m ³ /h Clear the total or set the total value

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Flow Meter Size



Diameter(mm)	Gas Flow Range (m ³ /h)	Liquid Flow Range (m ³ /h)	Working Pressure (MPa)	Accuracy	
DN15	1~10	0.4-2	1.6 2.5 4.0 6.3 10 16 ≤2.5 MPa Aluminum alloy	±1.0% Or ±1.5%	
DN20	2~20	0.8-4			
DN25	3~30	1.2-6			
DN32	4~50	2-10			
DN40	7~100	4-20			
DN50	10~150	6-30			
DN65	15~200	8-40			
DN80	30~400	16-80			
DN100	50~700	28-140			≤2.5 Mpa Aluminum alloy
DN125	60~1000	40-200			1.6 2.5 4.0
DN150	150~2000	60-300			
DN200	240~3600	80-400			

PRODUCT PARAMATER



Product Advantages

Small initial flow measurement

Suitable for measuring various types of gas such as

- Natural gas
- Air
- Compressed air
- Nitrogen
- Oxygen
- Carbondioxide
- Hydrogen
- ETC.



Enhanced vortex generator

- High sensitivity sensor
- No burr
- Low pressure loss

Sonic nozzle calibration Technology

Compared with the traditional fan calibration system, the measuring range is wider and the accuracy is higher.



Flow meter material can be customized

The flow meter is usually made of aluminum alloy, but also can be made of stainless steel , with high measurement accuracy and wide application.

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Product Application



natural gas flow measurement



Compressed air flow measurement



Gas flow measurement



Saturated/superheated steam measure