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Our experienced consultants will assist you in choosing the proper flow meter for your application. And they will be pleased to offer installation guidance to assure that the flowmeter selected will perform as accurately as possible. Additionally, they will stand ready to support you with any after-sale assistance that you may require.

**Vortex Flowmeter**



(Picture for reference only)

Intelligent Vortex flowmeter is new generation product of vortex flowmeter. Compared with conventional vortex flowmeter, it is more convenient to operate. For example, one converter is suitable to transducer of all drift diameters. It can constitute measuring control system with DCS etc, can also be used as measuring instrumentation for measuring control of custom transfer balancing. It offers a wide range of applications.

LUGB/E series are suitable for oil, chemical industry, metallurgy, heating power, spinning, papermaking, etc.

Be use of control: overheating vapor, saturation vapor, compressed air, ordinary air(oxygen, nitrogen, hydrogen, natural gas, coal gas, etc), water and liquid (water, petrol, alcohol, benzene, etc.)

- Precision: liquid  $\pm 1.0\%FS$   
 Gas and vapor:  $\pm 1.0\% FS$  or  $\pm 1.5\%FS$
- Range of medium temperature:  $-25$ centigrade to  $+350C$
- Ambient temperature:  $-25$ centigrade to  $+70C$
- Power: analog output:  $18-45 VDC$   
 Pulse output:  $14-30VDC$
- Working pressure:  $< 3.2Mpa$
- Explode-proof : BT4/Ex ib I

## Vortex Flowmeter

Spectrum 25,40,50,80,100,150,200,250,300mm

Measuring medium	Liquid, gas, vapor, steam
Medium temperature	Normal temperature: -40° C~+80° C High temperature +280° C Maximum temperature +350° C
Medium pressure	1.0MPa, 1.6MPa, 2.5MPa... 4.0MPa
Intrinsic error	Full tube type: ± 0.5%, ± 1.0%, ± 1.5%                      Plug-in type: ± 2.5%
Ratio of measurement range	1: 10    1: 20    1: 30    1: 40
Range of flow speed	Liquid(water): 0.25M/S~9.5M/S    Gas: 4M/S~78M/S Vapor: 3M/S~78M/S
Caliber D <sub>N</sub> (mm)	Full tube type: 15, 25, (32), 40, 50, (65), 80, 100, (125), 150, 200, 250, 300 Plug-in type: 300~3000
Reynolds number	Re> 4000
Drag coefficient	Full tube type: C <sub>d</sub> ≤ 2.4, Plug-in type: Drag loss can be omitted
Degree of anti-explosion	Intrinsic safety type: ia II T <sub>2</sub> ~T <sub>5</sub> , Explosion-proof type: d II BT <sub>4</sub>
Ambient temperature	Non anti-explosive area: -40° C~+55° C Anti-explosive area: -20° C~+55° C
DC supply	+3.6V, +12V, +24V (Field data show the supply is +3.6V for 3 to 5 years)
Output signal	Frequency impulse signal: 1~2600Hz, low level≤ 1V, high level≥ 5V, transmitter: two-wire system 4~20mA
Material	1Cr18Ni9Ti

To ensure precise & accurate measurement, please provide as much information as possible about your application.

Please be sure to include the medium to be measured, the pipe diameter or schedule, the pressure, and the maximum flow rate.

Please contact us with all your application requirements.

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