

Vortex Flowmeter

Intelligent Vortex flow meter is new generation product of vortex flow meter. 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, SCADA etc, can also be used as measuring instrumentation for measuring control commercial and trading blanching. It has wide range of application.

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.)



Nominal diameter(mm)	15、20、25、40、50、65、80、100、125、150、200、250、300、(150~1000 plug-in)
Nominal press (MPa)	DN15-DN200 4.0(>4.0 supply agreement), DN250-DN300 1.6(>1.6 supply agreement)
Medium temperature(°C)	Piezoelectric type: -40~150, -40~250, -40~350; Capacitive type: -40~400 (supply agreement)
Body material	1Cr18Ni9Ti, (Other materials supply agreement)
Allowable vibration acceleration	Piezoelectric type: 0.2g Capacitive type: 1.0~2.0g
Accuracy	±1%R, ±1.5%R; plug-in: ±2.5%R,
Range	1: 8~1: 30
Power	Sensor: DC +12V~DC +24V; transmitter: DC +12V~ DC +24V; Battery-powered: 3.6V battery
Output single	Square wave pulse (excluding battery powered) : high level ≥5V, low level ≤1V; Current: 4 ~ 20mA
Pressure loss coefficient	Comply with JB/T9249 standard Cd ≤ 2.4
Explosion-proof marks	Intrinsic safety type: Exd II ia CT2-T6, Flameproof type: Exd II CT2-T6
Protection grade	Standard type: IP65 Diving type: IP68
Environmental conditions	Temperature: -20°C ~ 55°C, Relative humidity: 5% ~ 90%, Atmospheric pressure: 86 ~ 106kPa
Medium	Gas, liquid, steam
Transmission distance	Three-wire system pulse output type: ≤300m, Two-wire system standard current output type (4~20mA) ≤1500m; Load resistance ≤750Ω; RS485/HART ≤1200m.