

FLOW METERS

UQ SERIES MULTIPARAMETER FLOWMETER

SUMMARY

UQ Series multiparameter mass flowmeter meets all kinds of liquid, gas and steam. UQ series multiparameter mass flow meter is combined with liquid sensor, temperate sensor, pressure sensor and transmitter. it has high stability and accuracy; good quality and easy to installation so that even no need to repair; HQ985 insertion type devices possible can installation, when the liquid is not stopped. Our products mainly used in the oil industry, iron and steel, paper, coal, electricity, drainage, pharmaceutical and other industrial fields.

FEATURE

- Reduce your engineering design headaches
- Easy to install and maintenance
- Single-point for temperature, pressure compensation
- Cost-effective
- High accuracy
- All configuration functions

PRINCIPLE

Von Karman demonstrated that, when a fluid flows past a bluff an body, alternating series of vortices is shed from each side, creating areas of fluctuating pressure. the frequency of the vortices is directly proportional to fluid velocity.

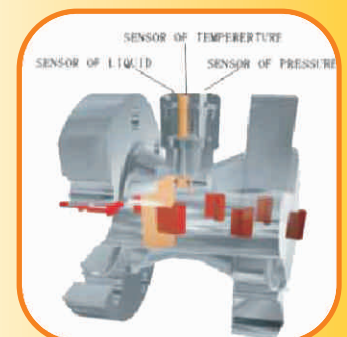
in commercial vortex flow meters, the bluff body is called a "shedder". the common trait of all shedder bars is sharp corners, which enhance the energy of the vortices and ensures boundary layer separation at two defined points. this chara-cteristic is responsible for the extraordinary linearity of the frequency of vortex shedding over a wide velocity rage.



Inline Type

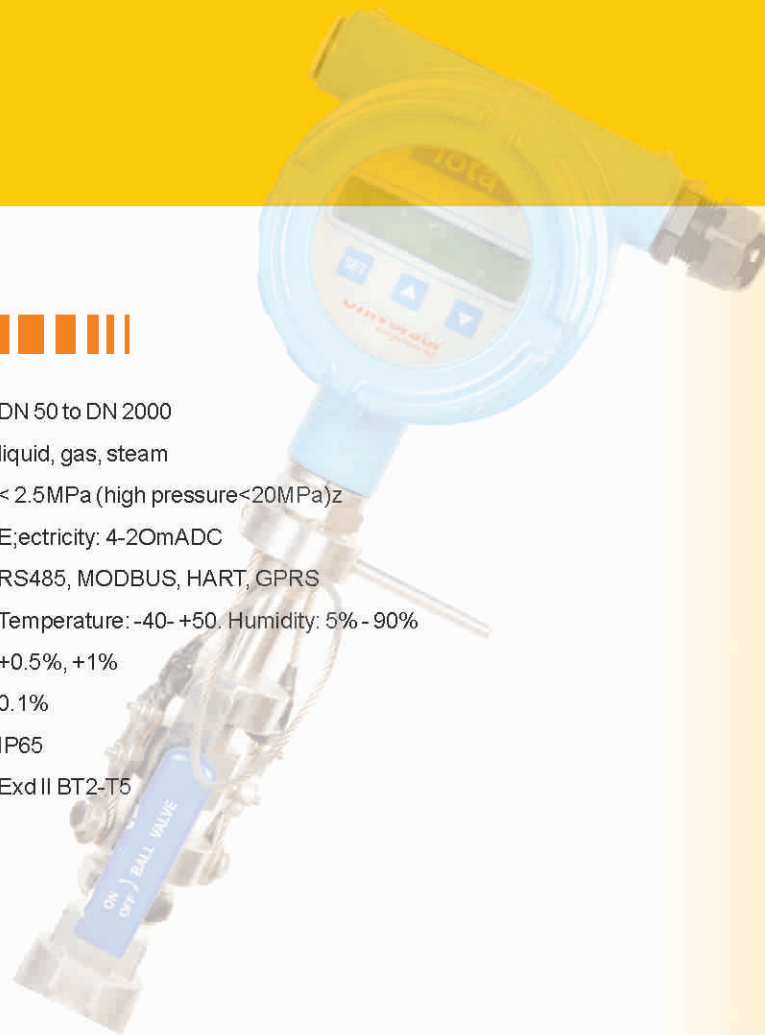


Insertion Type



SPECIFICATION

DN	DN 50 to DN 2000
Medium	liquid, gas, steam
Pressure	< 2.5MPa (high pressure<20MPa)
Output signal	Electricity: 4-20mA DC
Communication interface	RS485, MODBUS, HART, GPRS
Environment	Temperature: -40- +50. Humidity: 5% - 90%
Accuracy	+0.5%, +1%
Repeatability	0.1%
Protect class	IP65
Explosion-proof	Exd II BT2-T5



APPLICATION

Petrochemistry

metallurgy

Electricity

Municipal

Paper

pharmaceutical

Water Treatment



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