High Accuracy Stainless Steel Compressed Air Oxygen Mixed Gas Vortex Flowmeter

Specifications :

Price	Contact Us
Payment Terms	T/T, L/C, Western Union, etc.
Delivery Detail	10-25 working days.

Detail Introduction :

Application?

Hanyi vortex flowmeter is a new type of stress detection vortex flowmeter that uses piezoelectric crystal as the detection element according to the Karman vortex principle. It has the advantages of wide range ratio, high precision, low pressure loss, good medium versatility, pulse signal output proportional to flow rate, and easy to use with a computer.

Since the detection probe used by the sensor is installed separately from the vortex generator, and the high-temperature resistant piezoelectric crystal does not contact the medium, the instrument has a simple structure, good versatility, and high stability. This product is widely used in petroleum, chemical, pharmaceutical, papermaking, metallurgy, electric power, environmental protection, food and other industries.

Main features:

?Large and clear LCD display, which can display instantaneous flow and accumulated flow respectively

?High-strength piezoelectric crystal, integrally formed, impact resistance

?Temperature compensation and pressure temperature can be freely selected to meet more on-site use

?The circuit board is aging and running before leaving the factory, and the whole machine is calibrated in real flow, which is more suitable for on-site use

?No need for external power supply, using 3.6V lithium battery power supply, can work continuously for more than two years, especially suitable for occasions where power supply is difficult in the field

Specification:

Nominal diameter (mm): 15, 20, 25, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300, (300?1000 plug-in type)

Nominal pressure (MPa): DN15-DN200 4.0 (>4.0 agreement supply), DN250-DN300 1.6 (>1.6 agreement supply)

Medium temperature (?): Piezoelectric type: -40?150, -40?260, -40?330;

Capacitive type: -40?400, -40?500 (Order by agreement)

Body material: 1Cr18Ni9Ti, (other materials supplied by agreement)

Allowable vibration acceleration: Piezoelectric type: 0.2g Capacitive type: 1.0?2.0g

Accuracy: ±1%, ±1.5%; plug-in type: ±2.5%

Turndown ratio: 1:6?1:30 Power supply voltage: Sensor: DC +12V, DC +24V;

Transmitter: DC +12V, DC +24V; battery-powered type: 3.6V battery

Output signal: square wave pulse (not including battery-powered type): high level?5V, low level?1V; current: 4?20mA

Pressure loss coefficient: in line with JB/T9249 standard Cd?2.4
Explosion-proof mark: Intrinsically safe type: Exd?ia CT2-T5 Explosion-proof type: Exd?CT2-T5
Protection level: common type IP65 diving type IP68
Environmental conditions: temperature -20??55?, relative humidity 5%?90%, atmospheric pressure 86?106kPa
Applicable medium: gas, liquid, steam
Transmission distance: Three-wire pulse output type ?300m, two-wire standard current output type (4?20mA) ?1500m; RS485/HART?1200m.