

Product description:

Reliable flow vortex flow measurement system of gas, vapor and liquid measuring sensor series advantage Prowirl after 100,000 trials and tests, has the following advantages: influenced by the following factors: - vibration (in all directions Chaoguo 1 g) - the impact of temperature ($> 150 \text{ K / s}$) - the contaminated fluid medium - water hammer maintenance-free, no moving parts, no zero drift ("life cycle" calibration) software initial setup, saving time and operating costs Prowirl provides the following extended application : single instrument to complete the mass measurement of saturated vapor or liquid built-in flow computer to calculate the mass flow rate of external pressure based on the volume flow measurements and temperature measurements inputs for superheated steam and gases.

Applications:

Volume flow measurement of gases, vapors and liquids. Used in chemical, petrochemical, power plants and heating systems as well as other industrial areas

Product Performance:

Patent differential capacitive sensors (Application Examples $> 100,000$)

Immunity:

- Anti-vibration (in each axial direction than 1g)
- Anti-thermal shock ($> 150\text{K / s}$)
- Dirt
- Anti-water hammer

Process temperature range of $-200 \dots + 400 \text{ }^{\circ}\text{C}$

Versatility

- Integration or separation type
- Dual sensor with two sensor and two electronic modules (redundant)
- Hastelloy C-22 type

You can access a variety of systems (HART, PROFIBUS-PA, FF Foundation Fieldbus)

Electrically isolated pulse output (for alarm limits, etc.)

Electronic modules and sensors with permanent self-monitoring and self-diagnosis function

Caliber automatic correction

Maintenance-free, no moving parts, no zero drift