

HIGH PRECISION CORIOLIS MASS FLOWMETER

Features:

- Apply high stability and patented technology platinum RTD sensor
- Uses proprietary technology "balanced structure package", medium temperature self-compensation.
- Proprietary algorithms; can achieve high linearity, high repeatability, high precision.
- Range ratio 1000:1, also can be expanded according to user requirements.
- Enables measurement of small flow large diameter, minimum flow rate can be measured as low as zero, resolution 0.001m/s.
- No moving parts, vibration can be neglected.
- Straight pipe less demanding 1-2D
- Unrelated with the medium temperature and pressure.
- Proprietary high-temperature method, medium temperature up to +510 .
- Humidity algorithm used to achieve high precision measurement
- Flow signal enter 12-point dynamic correction, built-in 10-point amendment.
- Dynamic on-line correction current / voltage output.
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- On-line continuous flow, easy handling and maintenance



Specification:

Measuring range	:	0-120Nm/s (20C,101.33Kpa)
Accuracy	:	± 0.1% of reading ± 0.5% full scale
Range ratio	:	usually 100:1 (depending on the calibration of flow range)
Diameter range	:	6000mm
Application scope	:	suitable for all types of single or mixed gases, containing dust, sand, moisture and various corrosive gases.
Environmental temperature range	:	-40 - +85 (no display); -30 - +70 (showing); humidity is less than 90% RH.
Medium temperature range	:	-40 - +100; -40 - +200; -40 - +450; -40 - +510
Sensor Material	:	316 stainless steel, Hastelloy, Titanium
Probe rod material (protection cover)	:	316 stainless steel (standard), Hastelloy
Analog Output	:	Flow:4-20mADC,temperature:4-20mADC
Communication	:	Serial output RS232/RS485
Power supply	:	24VDC/600mA
Alarm	:	1-2-way relay output, 5A/220V, 5A/30VDC, type settings
Large-screen LCD Display	:	7 instantaneous flow, 8 cumulative flow rate
Process Pressure	:	1.6Mpa (maximum 20MPa)
Installation Process Type	:	Plug-in (card sets, card sets + ball valve, flange connection), pipeline type (flange, screw connection)
Protection class	:	IP66