

HIKMICRO

CORIOLIS MASS FLOW METER



HIKMICRO FC00 series Coriolis mass flow meter can directly measure mass flow, volume flow, density, temperature and infer process parameters online, and is not affected by the physical properties of the measured fluid (such as temperature, pressure, viscosity, density). It is widely used in metallurgy, petrochemical, energy, water management, life sciences, medicine, food and beverage.

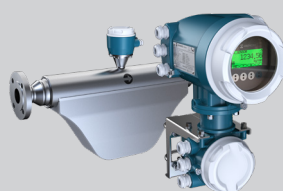
Benefits

- 30:1 wide range ratio
accurate even at low flow rates
- Fully positive design for high precision
– 0.1% for liquid and 0.35% for gas
- 8000 sampling points per second
fast response
- $\leq \pm 0.001\text{g/cc}$ High density accuracy
with precision measurement circuit
and advanced temperature
compensation algorithm
- Good long-term stability with a large
number of tests and failure verification
under harsh conditions
- Intelligent self-diagnosis
including noise interference,
wiring grounding, coil failure

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Coriolis Mass Flow Meter



Mass Flow Accuracy (Fluid)	0.1%, 0.15%
Mass Flow Repeatability (Fluid)	0.05%, 0.075%
Volume Flow Accuracy (Gas)	0.5%, 1%
Volume Flow Repeatability (Gas)	0.2%, 0.5%
Density Accuracy	0.001 g/cm ³
Density Repeatability	0.0005 g/cm ³
Temperature Accuracy	±1°C±0.5% x measured value
Temperature Repeatability	0.2 °C
Meter Size	DN2-DN100 (can be customized above DN100)
Wetted Parts Material	316L, HC
Process Connection	Flanged
Process Pressure Range	≤4MPa
Process Medium Temperature Range	-40°C~300°C (-40°F~572°F)
Temperature Compensation	Yes
Housing of Transmitter	Aluminum alloy
Housing of Sensor	304
Control Button Type	Touch button
Sensor Protection Rating	IP66/IP67
Communication Type	4~20mA, Pulse, Modbus, Hart
Power Supply	24V DC and 220V AC (Adaptive), Max. 10 W
Working Temperature/Humidity	-40°C~60°C (-40°F~140°F), ≤98%