

CORIOLIS MASS FLOW METER

Product description

Coriolis mass flow meter (MTCMF) is a new type flow meter which is designed according to Micro Motion and Coriolis principle. This kind of new flow meter can measure the fluid directly in a sealed pipeline. It consists of two sections: Sensor and Signal Transmitter.

Main performance

1. Unchallengeable MTCMF performance on liquid mass flow, volume flow, and density measurement
2. Unique design delivers unparalleled measurement sensitivity and stability
3. Guarantees consistent, reliable performance over the widest flow range
4. Designed to minimize process, mounting, and environmental effect

Application field

Chemical: containing chemical reaction system

Petroleum: moisture content analysis

Lipids: including vegetable oils, animal fats and other oils

Pharmaceutical/Painting/Paper making

Textile printing and dyeing

Fuel: crude oil, heavy oil, coal slurry, lubricant and other fuels.

Food: gas dissolving beverage, health drink and other liquid.

Transportation: pipeline liquid measurement.

High pressure fluid, like slurry flow measurement for oil drilling cementing



 www.arshiatamin.com

 +98-21-66572717

 info@arshiatamin.com

 +98-998-1201514

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Nominal diameter	Flow range (kg/h)	Parameters	Unit
DN3	0~96~120	Sensor datas Accuracy : $\pm 0.2\%$ Medium temp. : $-50\sim 200^{\circ}\text{C}$ Ambient temp. : $-20\sim 60^{\circ}\text{C}$ Nominal diameter : 0~4.0MPa Process connection : flange Measuring tube material : SS316L Shell material : SS304 Explosion-proof grade : Exd (ia) II C T6Gb Converter Power supply : 24V DC $\pm 5\%$ (220V AC $\pm 10\%$ 50Hz) On-site display: cumulative flow, instantaneous flow, density, temperature Output signal: 4~20mA, pulse output, RS485 communication Protection: IP67 Communication protocol : MODBUS Explosion-proof grade : Exd (ia) II C T6Gb Electrical Interface : M20x1.5	Mass flow rate: g/h、kg/h、t/h、g/m、kg/m、t/m Total flow: Volume flow rate: cm ³ /h、dm ³ /h、m ³ /h、cm ³ /m、dm ³ /m、m ³ /m Total volume: cm ³ /m、dm ³ /m Density: kg/m ³ 、g/cm ³ Temperature: $^{\circ}\text{C}$ 、K、 $^{\circ}\text{F}$
DN6	0~540~660		
DN8	0~960~1200		
DN10	0~1500~1800		
DN15	0~3000~4200		
DN20	0~6000~7800		
DN25	0~10200~13500		
DN32	0~18 000~24 000		
DN40	0~30 000~36 000		
DN50	0~48 000~60 000		
DN80	0~120000~160 000		
DN100	0~222000~270 000		