

## CORIOLIS MASS FLOW METER

### CMF250

CBRO Coriolis mass flow meter CMF250 is a new type flow meter designed according to Micro motion and Coriolis principle. This kind of new flow meter can measure the fluid directly in a sealed pipe. It consists of two sections : Sensor & Signal Converter



### APPLICATIONS

Chemical : Containing Chemical reaction system  
 Lipids : Including Vegetable Oils, Animal Fats & Other Oils  
 Textile Printing & Dyeing  
 Pharmaceutical  
 Painting  
 Petroleum : Moisture content analysis  
 Paper Making  
 Fuel : Crude Oil , Heavy Oil, Coal Slurry, Lubricants & Other Fuels  
 Food : Gas dissolving beverage, Health Drink & Other Liquid  
 Transportation : Pipe Line Liquid Measurement



**CONVERTER**

### TECHNICAL SPECIFICATIONS

Material of Measuring Pipe	S.S 316L
Range	2kg/h~500t/h
Service Fluid	Liquid, Gas, Solid, or Two Phases and Three Phases Mixed Fluid
Accuracy	±0.2%~±0.15%
Work pressure	(0~32) MPa (in case of other high pressure, it must be of special order)
Temperature Measuring	Range : -50?~ +350?, Accuracy : +-1 Degree
Environment Temperature	-20? ~ +70?
Pressure	4 Mpa (In case of other high pressure, it must be of special order)
Density Measuring	Range : 0.5 - 2g/cm <sup>3</sup> , Accuracy 0.002g/cm <sup>3</sup>
Power Supply	24VDC
Display	LED / LCD
Response time	0.1s ~ 5s, Adjustable
Explosion-Proof Grade	Ex(Ib) II BT2-T5

### OUTPUT SIGNAL

- (1) 4-20ma Current Signal Of Flow, With Load Resistance 500?
- (2) 0-10khz Frequency Signal Of Flow.
- (3) Rs485 Communication Protocol
- (4) Hart Protocol

DN	Range ( kg/h )	Work Pressure ( MPa )	Connection Type (mm)
1.5	0~4	0~32	Weld Joints $\Phi 6 \times 1.5$
3	0~40	0~32	Weld Joints $\Phi 6 \times 1.5$
6	0~100	0~25	Weld Joints $\Phi 10 \times 2$
8	0~200	0~20	Weld Joints $\Phi 10 \times 1$
12	0 ~ 500	0 ~ 4	Weld Joints $\Phi 18 \times 3$
12	0 ~ 500	0 ~ 25	Weld Joints $\Phi 20 \times 4$
14	0 ~ 1000	0 ~ 4	Weld Joints $\Phi 18 \times 2$
14	0 ~ 1000	0 ~ 25	Weld Joints $\Phi 20 \times 3$
16	0 ~ 3000	0 ~ 4	Weld Joints $\Phi 18 \times 1$
16	0 ~ 3000	0 ~ 25	Weld Joints $\Phi 20 \times 2$
25	0-10	0 ~ 4	Flange 25
40	0-20	0 ~ 4	Flange 40
50	0-30	0 ~ 4	Flange 50
65	0-50	0 ~ 4	Flange 65
80	0-100	0 ~ 4	Flange 80
100	0-150	0 ~ 4	Flange 100
150	0-300	0 ~ 2	Flange 150
200	0-500	0 ~ 2	Flange 150



### Users



Manufactured by :

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