

Mass flow meter CLEAN FLOW

■Sensor

Size	015	025	050	080	100	150
Nominal diameter	10A, 15A, 20A, 25A, 40A, 50A, 65A, 80A, 100A, 150A, 200A					
Connection end	JIS10K, 20K ASME/ANSI 150, 300, 600 JPI 150, 300, 600 DIN PN16, 40, 63 Ferrule					
Fluid	Liquid, Gas					
Flow range	0~860,000kg/h(6 type)					
Accuracy	Flow rate	Liquid	General: Mass flow ±0.4% Volume flow ±0.4%			
			High accuracy: Mass flow ±0.15%(±0.1%:Option) Volume flow ±0.15%			
Accuracy	Density	Liquid	General: Mass flow ±1% High accuracy: Mass flow ±0.5%			
			General: 0.010kg/L High accuracy: 0.002kg/L(0.001kg/L:Option)			
Temperature	General: -50~160°C High accuracy: -50~205°C Explosion-proof type is depending on the specification					
Pressure	Depending on the connection end					
Wetted parts material	SUS316L, alloy C(Option)					
Explosion-proof	ATEX/IECEX, cFMus, CML					

■Transmitter

Power	100~240VAC, 50/60Hz 100~230VAC, 50/60Hz (For explosion proof) 11~30VDC
Power consumption	20W
Protection level	IP65/IP67, NEMA 4X
Housing material	Aluminum Stainless (Remote type: Option)
Output signal	Analog: 4~20mADC Digital: 2 points (Pulse or status) HART
Transmission distance	200m max. (Remote type)

We offer the most suitable item as per your operation circumstance and usage

Mass flow meter CLEAN FLOW

CLEAN FLOW



Don't be satisfied with high accuracy only

NITTOSEIKO CO.,LTD.

Control System Division
Global Sales Section

Website : <https://www.nittoseiko.co.jp/en.html>



[Website] [Inquiry Form]



- Accurate measurement of pure water
- For filling or blending
- Concentration management of ingredients and products
- Organic waste water control

Chemicals • Foods

Supporting various kind of industries

CLEAN FLOW meets high-level demand

- Fuel consumption measurement
- Loading or discharging cargo oil
- Cappuccino-effect bunkering measures
- Feed water and oil for boiler

Ship • Port

Energy
Petroleum • Chemical

Car

- Filling engine oil
- Paint or coating control
- Various inspection machine
- Coolant injection

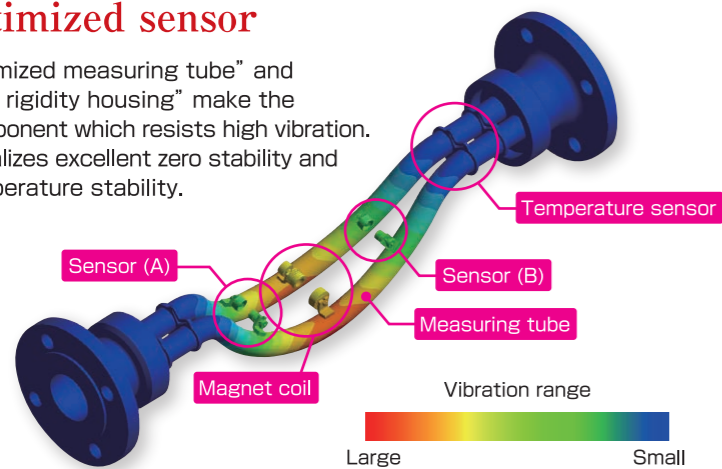
- Chemical liquid injection
- Fuel oil receiving
- Mixing lubricate oil or asphalt
- Cooling water control



It can measure mass flow directly by detecting phase difference of measuring tube which is generated by Coriolis. Also density and temperature can be measured by 1 unit.

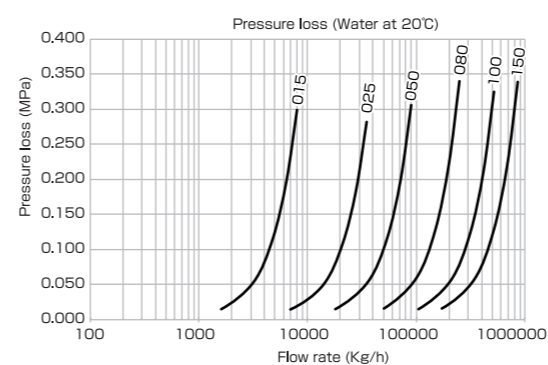
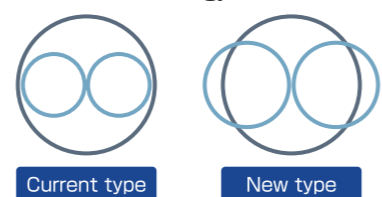
High accuracy is in the optimized sensor

"Minimized measuring tube" and "High rigidity housing" make the component which resists high vibration. It realizes excellent zero stability and temperature stability.

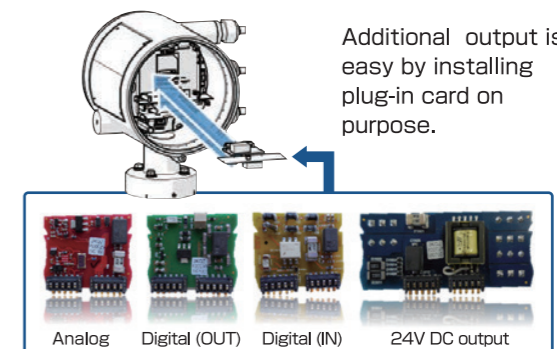


Advantage in low pressure loss and high capacity

Maximized measuring tube realize low pressure loss and high capacity. It can measure larger flow rate than other large size mass flow meter which has similar pressure loss. You can select smaller pump capacity, and contribute to energy save.



Various management style by output system



Additional output is easy by installing plug-in card on purpose.



Various indication contents with back-light. Easy operation and setting by touch sensor.