



MICROSTREAM Sensor OF-ZAT / OF-ZZT

The essence of our instrumentation technology has been condensed into this small unit.

The accuracy you demand at a price you could afford : Costs less than previous flow-rate sensors due to the use of a molded body of engineering plastics, but still provides the accuracy you demand.



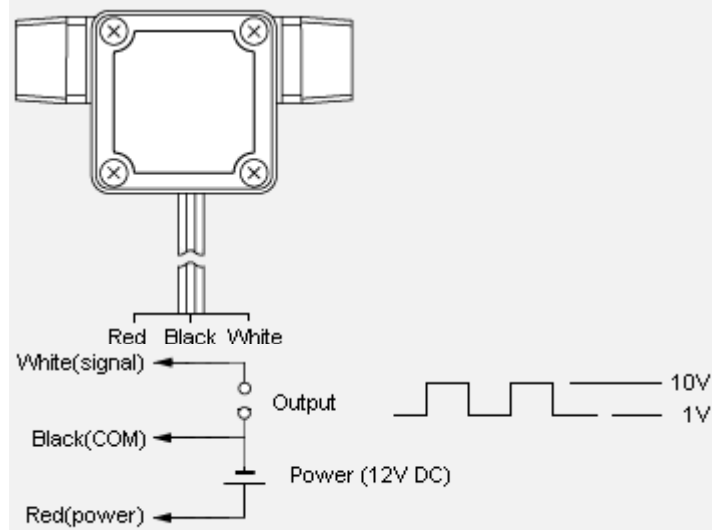
Compact and lightweight : Features a compact design, weighing only 95 grams (OF05). Furthermore, the connection was designed to facilitate easy installation in any system layout.

Excellent chemical resistance : The super-hard engineering plastics body is highly resistant to chemicals, oil, and wear, making this sensor ideal for use with kerosene, light oil, heavy oil, and cold water, as well as for chemicals.

Item	Model			
	OF05ZAT-AO	OF05ZZT-AO	OF10ZAT-AO	OF10ZZT-AO
Measurable fluid : Various fluids	Prease select with reference to the following major materials of the fluid-touching materials.			
Measurable fluid : Major fluids	water, kerosene, light oil, heavy oil	water, acid, alkali, organic solvents, etc.	water, kerosene, light oil, heavy oil	water, acid, alkali, organic solvents, etc.
Accuracy (standard installation position)	±2% RS			
Maximum working pressure	0.5MPa (35~85%RH)			
Fluid & Ambient temperature	-10 to 70°C (Freeging / dew condensation must be avoided)			
Flow-rate range (±1% RS)	0.3 - 0.8mPa-s(cP) --- 5 - 50L/h 0.8 - 2mPa-s(cP) --- 3 - 50L/h 2 - 5mPa-s(cP) --- 1 - 50L/h 5 - 200mPa-s(cP) --- 0.5 - 50L/h		0.3 - 0.8mPa-s(cP) --- 40 - 300L/h 0.8 - 2mPa-s(cP) --- 20 - 300L/h 2 - 5mPa-s(cP) --- 10 - 300L/h 5 - 200mPa-s(cP) --- 5 - 300L/h	
Pulse unit	0.46mL/p		2.5mL/p	
Power voltage	3 - 12V DC			
Output signal	Pulse Voltage			
Connection	R1/4(External thread)		R1/2(External thread)	
Main materials	Rotor and casing: PPS Resin O-ring: NBR Shaft: SUS304	Rotor and casing: PPS Resin O-ring: FKM Shaft: SiC	Rotor and casing: PPS Resin O-ring: NBR Shaft: SUS304	Rotor and casing: PPS Resin O-ring: FKM Shaft: SiC

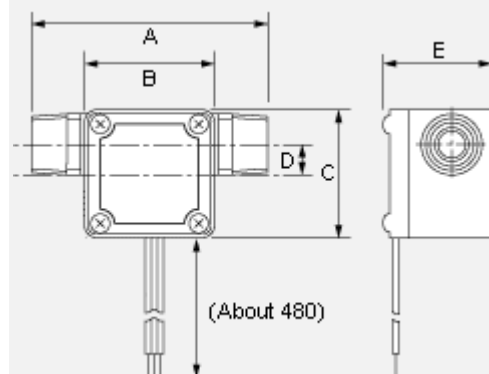
- In case there is possibility that any particle is flown in the liquid to be measured, please install a filter of not less than 80 meshes at the inlet side of the flowmeter.
- Gasoline, Sodium hydroxide (Caustic soda), Hydrogen peroxide solution (Oxydol), and Hydrochloric acid are not applicable.
- The pressure drop at maximum flow rate is 4kPa (OF05), 10kPa (OF10).

Connection method / Output pulse



When the 12V DC power '+' pole is covered to red, and the '-' pole is connected to black, a 'high=10V, low 1V' rectangular wave occur between white and black.

External Dimensions



(Units : mm)

	OF05	OF10
A	80	90
B	46.9	46.9
C	46.9	46.9
D	8	8.5
E	27.3	40.3