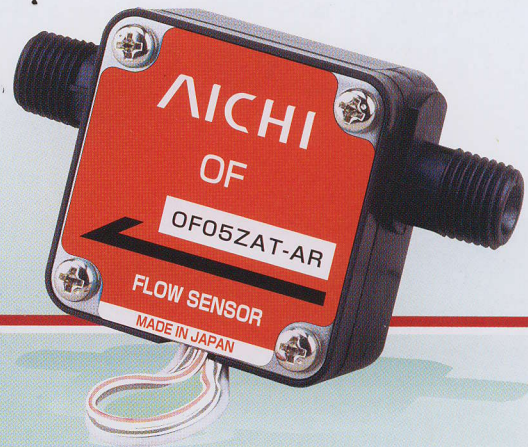




OF Series

Oval gear type flow sensor



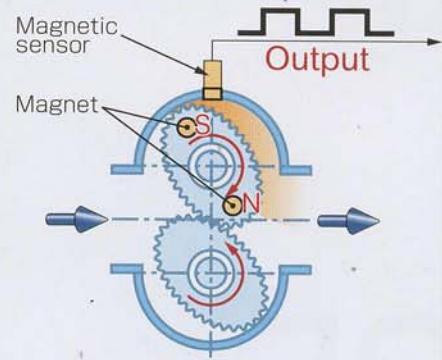
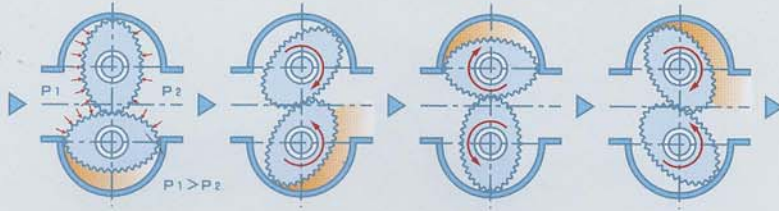
- Excellent cost-performance
- Compact and lightweight
- Simple & durable structure
- High chemical resistance

Overview

Model	OF05ZAT-AR	OF05ZZT-AR	OF10ZAT-AR	OF10ZZT-AR
Measurable fluid	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	±2% RS			
Maximum operating pressure	0.5MPa with a fluid temperature of +20°C			
Ambient operating temperature	-10 to 70°C (Freezing must be avoided)			
Flow range	0.3 - 0.8mPa·s --- 0.8 - 2mPa·s --- 2 - 5mPa·s --- 5 - 200mPa·s ---	5 - 50L/h 3 - 50L/h 1 - 50L/h 0.5 - 50L/h	0.3 - 0.8mPa·s --- 0.8 - 2mPa·s --- 2 - 5mPa·s --- 5 - 200mPa·s ---	40 - 300L/h 20 - 300L/h 10 - 300L/h 5 - 300L/h
Pulse unit	0.46mL/P		2.5mL/P	
Power supply	3 - 12V DC			
Output signal	Pulse Voltage			
Connection	R1/4 (Male thread)		R1/2 (Male thread)	
Main materials	Rotor and case: PPS Resin O-ring: NBR Shaft: SUS304	Rotor and case: PPS Resin O-ring: FKM Shaft: SiC	Rotor and case: PPS Resin O-ring: NBR Shaft: SUS304	Rotor and case: PPS Resin O-ring: FKM Shaft: SiC
Weight(Approx.)	100g		140g	

Measurement principle

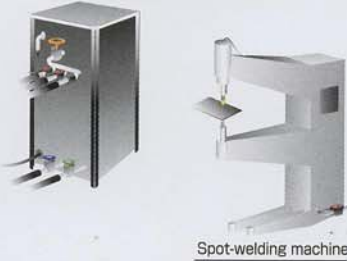
Oval gear type



Examples of use

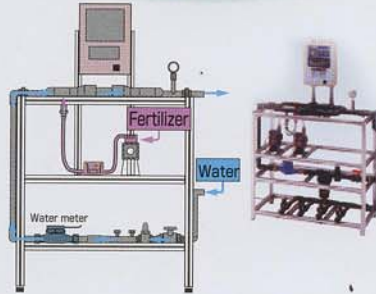
Coolant monitoring in molding machines / welding machines

Mold temperature controller



Spot-welding machine

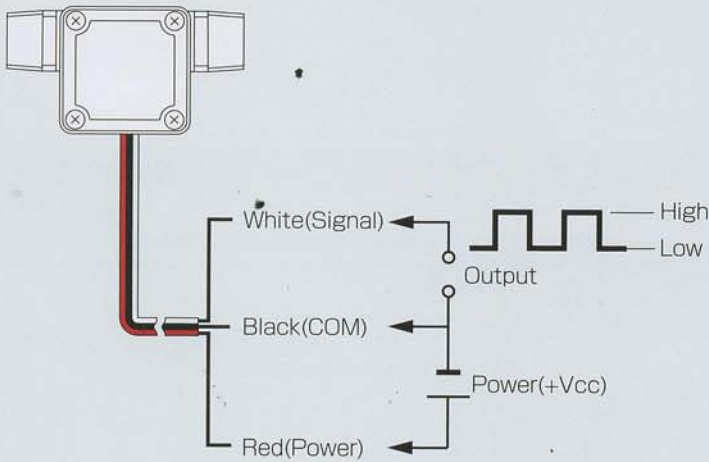
Proportional injection of chemical fluid



Your own specialized application



Connection method

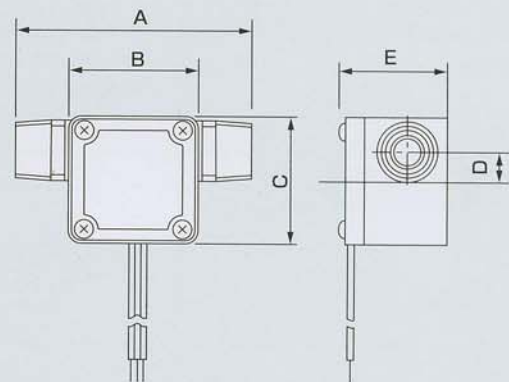


+ pole (power supply) is to be connected to red and - pole is to be connected to black. At the time of power voltage 12V DC, High is not less than 1.0V DC and Low is not more than 1V DC.

External dimensions

Unit : mm

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



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Specifications are subject to change without notice.
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