ND flowsensor is ideal for measuring a variety of liquids and this is a low cost, high quality and bestselling product.

Flowsensor ND Type

Feature

- Excellent reproducibility.
- Built-in magnetic sensor which is noise tolerant, outputs a proportional signal to the flow velocity.
- Pulse output by means of open collector
- · Wide flow rate range and high accuracy.
- Measurement principle is tangential flow vane wheel type and structure is simplified.
- Compatible with various type of liquids
- CE marking certified
- RoHS-ready



Specification In addition, for the special specification, please contact us.										
Model		ND05-N	ND05-P	ND05-T	ND10-N	ND-10P	ND10-T	ND20-N	ND20-P	
Flow rate range		0.3~3.0L/min			1.5~20		1.0~10L/ min	3.0~60L/min		
Accuracy*1		±2%RS (Standard installation position)								
Liquid to be measured		Compatible with various kinds of liquids (Please select the model after checking main wetted materials below)								
Maximum working pressure		1MPa (Liquid temperature at 20°C)								
Pressure loss		12 kPa or less (At 3L/min)			20 kPa or less (At 20L/min)		15 kPa or less (At 10L/min)	60 kPa or less (At 60L/min)		
Liquid viscosity range		0.5~1.5mPa·s (Equivalent to water)								
Liquid temperature range		0~+70°C	0~+6	30°C	0~+70°C 0~+60°C		60°C	0~+70°C 0~+60°C		
Ambient temperature/humidity		-10~+70°C 35~85%RH (No condensation)								
Output signal		Open collector pulse 4-wire, lead-wire length: About 600mm Duty ratio: 3:7 < A:B < 7:3								
Pulse factor		2.5mL/P			7.69mL/P			25mL/P		
Maximum frequency		20Hz			About 44Hz		About 22Hz	40Hz		
Minimum pulse width		0.015s			About 0.007s		About 0.014s	0.0075s		
Applied voltage range		3~24 VDC*2								
Power consumption		0.2VA or less								
Structure		IP X4 (indoor specification)								
Connection				R′				R3/4		
Weight		About 150g		About 120g			About 360g			
	Case	Modified PPO	PP	ETFE	Modified PPO	PP	ETFE	Modified PPO	PP	
Main materials of wetted part	Vane wheel		OM ETFE		POM		ETFE	POM		
	Pivot	SUS304			SUS304	PA	ETFE	SUS		
	O-ring	NBR			NBR	- Fk		NBR	FKM	
- u 1.00 c	Magnet		Sa-Co*3		Ba-	Fe	Sa-Co*3	Ba-	Fe	

- •For the details of material marks, refer to the back cover
- *1 Installation position other than standard installation position does not cover accuracy assurance. In addition, ND05-TATAAA, ND10-TATAAA cannot be used for the installation position other than standard position.
- *2 Sensor power supply (Red Black) and pulse output (Blue/White-Black) shall be the same. *3 Triple magnet does not touch the liquid.

Model code When placing an order, please place an order in reference to this model code								
ND	**	-	*	ATAA	*	-	RC	Details
Model								ND
	Nominal diameter							05, 10, 20
		-						-
			Constituen t material					N, P, T
				ATAA				ATAA
					*			C: ND05-N/P A: In other cases
						-		-
							RC	RC









