

Indicator type of flowsensor ND.

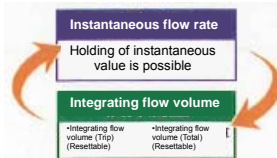
## Instantaneous flow rate /Integrating flow volume flowsensor NW/NW-P (with pulse output\*)

\*Option

Electromagnetic type

### Feature

- Built-in lithium batteries, no external power supply is required.
- Excellent feature of ND type flowsensor is left as it is and instantaneous flow rate and integrating flow volume can be displayed by only one flowmeter.
- Revolving display unit (it can be fixed to an easy-to-see orientation)
- Measuring principle is tangential flow vane wheel type and structure is simplified.
- Compatible with various type of liquids
- Reset function for the display of integrating flow volume (Total) and integrating flow volume (Trip).
- Holding value function for instantaneous flow rate
- Pulse output function (Optional)
- CE marking certified



Tangential flow vane wheel type

### Specification

In addition, if there is anything unclear, please contact us.

Instantaneous flow rate/integrating flow volume flowmeter NW type		NW05-NTN	NW05-PTN	NW05-TTN	NW10-NTN	NW10-PTN	NW10-TTN	NW20-NTN	NW20-PTN
Instantaneous flow rate/integrating flow volume flowmeter (with pulse output) NW-P type		NW05-NTP	NW05-PTP	NW05-TTP	NW10-NTP	NW10-PTP	NW10-TTP	NW20-NTP	NW20-PTP
Flow rate range		0.3~3L/min			1.5~20L/min		1.0~10L/min		3.0~60L/min
Accuracy*1	Instantaneous flow rate display	±2%RS±0.05L/min			±2%RS±0.2L/min		±2%RS±0.5L/min		
	Integrating flow volume display	±2%RS							
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							
Liquid temperature range		0~+60°C							
Ambient temperature/humidity		0~+60°C 35~85%RH (No condensation)							
Output signal		Open drain output (Equivalent to open collector) ON time: 10ms Maximum rated voltage 30VDC Output capacity: 150Q or less, OFF resistance: 100kΩ or more (Residual voltage shall be 1.5V or less at input voltage of 10mA or less)							
Pulse output unit		10mL/p			1L/p				
Liquid crystal display	Instantaneous flow rate	Smallest scale		0.05L/min		0.2L/min		0.5L/min	
		Display digits		00.00L/min		000.0L/min			
Liquid crystal display	Integrating flow volume	Display digits		000000.00L		0000000.0L			
Power supply		Built-in lithium battery (Battery life: About 4 years Not replaceable)							
Structure		IP X4 (indoor specification)							
Connection		R1/2						R3/4	
Weight		About 280g			About 250g			About 500g	
Main materials of wetted part	Case	Modified PPO	PP	ETFE	Modified PPO	PP	ETFE	Modified PPO	PP
	Vane wheel	POM		ETFE	POM		ETFE	POM	
	Pivot	SUS304	PA	ETFE	SUS304	PA	ETFE	SUS304	
	O-ring	NBR		FKM	NBR	FKM		NBR	FKM
	Magnet	Sa-Co <sup>-2</sup>			Ba-Fe		Sa-Co <sup>-2</sup>		Ba-Fe

Oval gears type

Axial turbine type

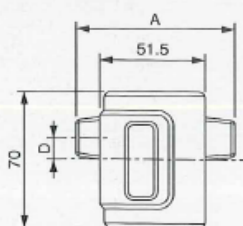
•For the details of material marks, refer to the back cover.

\*1 Installation position other than standard installation position is not covered by our accuracy assurance. In addition, NW05-TT, NW10-TT cannot be used for the installation position other than standard position.

\*2 Double magnet does not touch the liquid.

Display unit

### External dimensions



Unit: mm

Model	NW05	NW10	NW20
A	80	80	110
B	87	87	105.5
C	52	52	74
D	11	11	16
E	25	25	35.5

### Standard installation position

