, Mh	Product Specifications	FZ01-046i0		1/3		
	Compact Flow Sensor	Model	NDV10-STD			
Reliability	Compact low Consol	model		IX .		
Creativity Service						

1. Specifications

Nominal diameter Noviros DRK Noviros DRK Noviros DRK Noviros DRK Noviros DRK Accuracy guaranteed flow-rate range 1 to 10L/min 1 1 10L/min Accuracy ±7%RS (in the recommended installation position) Tap water' Fluid to be measured Tap water' Fluid temperature range 0.5 to 1.5 mPa-s (equivalent to water) Fluid temperature/numlify range 0 to +40°C (No freezing) Working ambient temperature/numlify range 0 to +40°C (No freezing) Maximum working pressure drop (at the accuracy guaranteed maximum flow-rate) 27kPa or less Output Voltage pulse contained resistance or more pulse ON time Approximately 1.3msec or more Duty ratio 2:8-ON.OFF-8:2 3VDC 2VDC or romore 12VDC or romore 12VDC or romore 27VDC or romore 27VDC or more Wring Pin connection method Neef to the External View Drawing for the External View Drawing fo	1. Specificat	Model	NDV10-STD0R NDV10-STD1R				
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parts ^{*3} Magnet Sa-Co	materials	Vane wheel	CF-POM				
		Shaft	SUS303				
Others RoHS directive compliant	parts ^{*3} Magnet		Sa-Co				
		Others	RoHS directive compliant				

	Product Specifications		2/3	
	Compact Flow Sensor	Model	R	
Reliability	Compact flow Consol	Woder	NDV10-STD	IX
Creativity Service				

*1: Consult with us in case of measuring a fluid other than tap water.

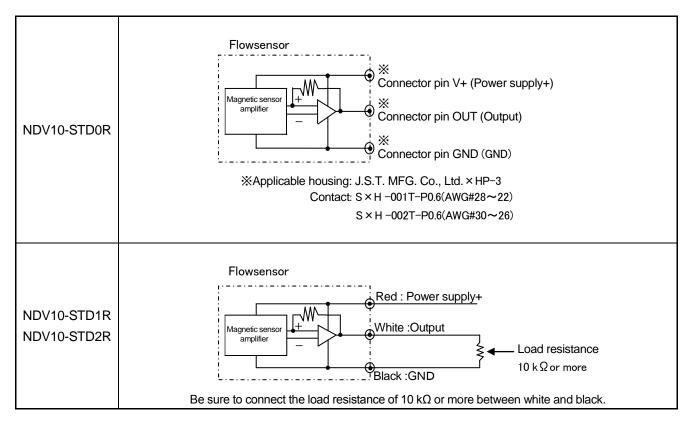
*2: Tube and O-ring are not supplied. Prepare them by yourself.

Recommended tube: Inner diameter Φ 14 Recommended O-ring: JIS B 2401 Nominal diameter P10A Inner diameter 9.8mm Thickness 2.4mm

*3: Material symbols

GF-ABS	Glass fiber reinforced ABS resin (Glass-Fiber-reinforced Acrylonitrile Butadiene Styrene)
CF-POM	Carbon fiber reinforced Polyacetal or Polyoxymethylene
SUS303	Stainless
Sa-Co	Samarium-Cobalt

2.Wiring technique



Alle	Product Specifications		3/3			
	Compact Flow Sensor	Model	NDV10-STD	D		
Reliability	Compact for Consol	Model		IX		
Creativity Service						

- 3. Precautions for handling
- 3-1.Working environment, fluid to be measured
 - (1)Ensure that the wetted parts' materials have corrosion resistance against fluid to be measured.
 - (2) Keep the product away from a strong magnetic field or a source of electric noise.
 - (3)The product is not explosion-proof specification. Do not use the product in an explosive atmosphere such as flammable gas, etc.
 - (4)In case flow in the pipe has pulsation, the measurement accuracy is to be affected. When feeding the fluid with a constant rate pump, etc., which causes pulsation of flow, cancel the pulsation using an accumulator, etc.
 - (5) Avoid installation at a place exposed to direct sunlight and/or rain (Indoor specification).
- 3-2. Precautions for piping
 - (1)No air shall be in the fluid to be measured. The measurement accuracy is to be affected.
 - Do not install the product at a place where air accumulation can easily occur (e.g. upstream side of a falling pipe. Also, before start measurement, remove air sufficiently.
 - (2)Devices such as a flow-rate adjusting valve, etc., which disturb flow shall be installed in the downstream of the flowsensor.
 - (3) Avoid installing the product where it is exposed to excessive pressure, such as water hummer, etc.
 - (4)In case foreign substances, oil, etc., exist in the piping, install the flowsensor after cleaning inside of the pipe.
 - (5)Make sure to align the flow direction of the fluid with the flow direction indicated by the arrow on the main body.
 - (6)Provide straight pipe portion of 5D or more at the upstream and 3D or more at the downstream of the flowsensor.
 - (7)Around the place of installation, provide enough space for maintenance.

Aichi tokei denki co., Itd.