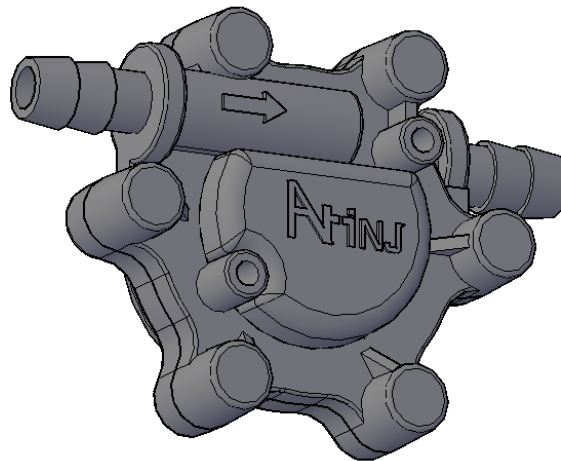

Small-caliber sensor AH-002A, AH-002B

- ◆ Small flow detection solution
- ◆ AH-002A is made of food grade material, and it can be worked under 100°C water temperature.
- ◆ AH-002B is made of environmentally friendly materials, and it can be worked under 85°C water temperature.
- ◆ Wide operating voltage range.
- ◆ Stable square wave signal
- ◆ no external circuit.
- ◆ no need customer to install a magnetic field



『Regular application』 :

water dispensing machine, coffee machine etc small appliances flow amount and flow rate detection.

『Outline』 :

Straight-through Hall Flow Sensor AH-002A/B is based on Hall effect element, simple to use, the output signal is square wave, it's accurate and reliable, the user can use it by connecting it as per the operating instruction. Digital circuit and MCU can be easy to use. AH-002A is wholly made of food grade environmentally friendly materials, the safety can be ensured when it works in the boiling water.

『Connection mode』 :

Red: Power supply VCC

Black: Ground GND

Yellow: signal output OUT

『Technical Specification』 :

Electrical Parameter	Typ.	Min.	Max.	Unit
VCC	4.5	3.5	12	V
ICC	3.5	3	10	mA
VH	VCC-0.2	VCC-0.5	VCC	V
VL	0.1	0	0.5	V
Operating Temp.	20	-45	POM 85 PBT 100	°C
Storage Temp.	20	-45	100	°C
Electrostatic protection	2000	-	4000	V

Flow Parameter (L/min)	Flow meter Accuracy 2%
Inlet caliber	Start flow
4.2mm	>1

Main Material menu	AH-002A	AH-002B
Enclosure (3pcs)	PBT	POM
Impeller (1pcs)	PBT	POM
Impeller magnet potting material	green epoxy resin	green epoxy resin
magnet	High-temperature Nd-Fe-B	N35
PCB	Epoxy resin board	Epoxy resin board
Centre shaft	304, stainless steel	304, stainless steel

Note: Only enclosure and impeller and potting material contact with flow liquid.

[Installation Dimension] :

Unit: mm

