principle and characteristics

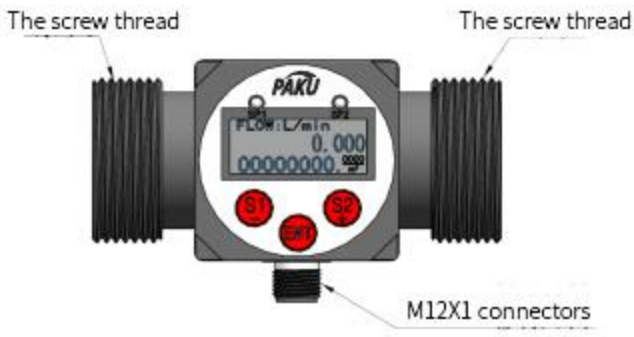
SN51D series of wheel flow sensor is also an intelligent flow switch, is a delicate type of flow sensor, has the advantages of small size, simple setting, built–in intelligent circuit, can be arbitrarily set the upper and lower limit of the flow alarm value, can be remote monitoring real–time flow status, full parameter arbitrary setting on the scene, The impeller measuring medium through the flow through the sensor intelligent circuit processing after arbitrary programming.

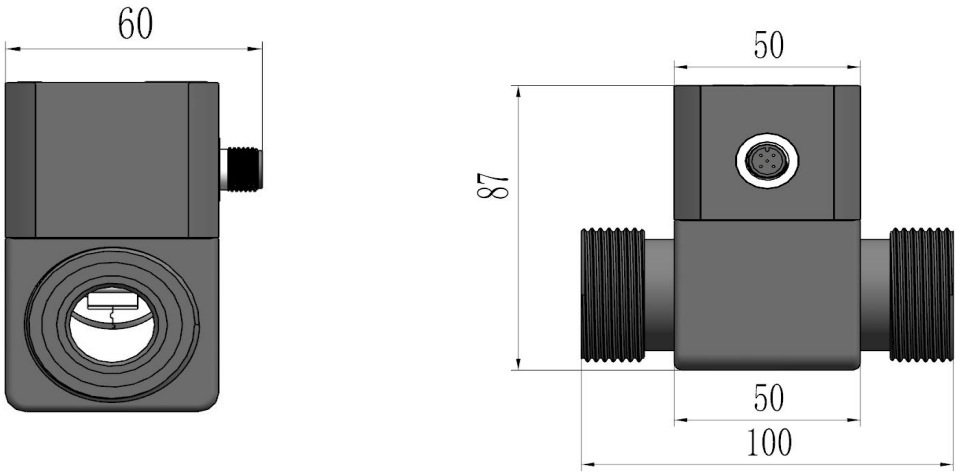
- Hall type pulse output, open collector PNP/NPN, strong driving ability
- has high chemical corrosion resistance
- IP65 protection grade, suitable for harsh field environment
- Plug–in type easy to install
- good stability, strong anti–interference ability
- good reliability, free maintenance

technical index

Velocity Range		0.15 ~ 6m/s
Pipe Scope		DN10–DN32
supply voltage		DC 5 ~ 24V
Repeatability accuracy/linear accuracy		±0.5% full scale / ±1.0% full scale
Minimum Reynolds number		4500
Temperature and pressure	PP noumenon	12.5bar@25℃ 1.7bar@90℃ PVDF 本体 14.0bar@25℃ 1.7bar@100℃
	PVDF noumenon	14.0bar@25℃ 1.7bar@100℃
flow passage components	Sensor body	POM/ aluminum/stainless steel
	O–ring	FPM/EPDM
	impeller	PVDF
	Bearing/shaft	High temperature oxidation pick ZrO2 (ceramic), titanium alloy, Hastelloy alloy C

dimension figure





Selection table

SN51D-	1	A...	A	1	A	specification
SN51D–						SN51D series impeller flow sensor
	A					pipe diameter：DN10
	B					pipe diameter：DN15
	C					pipe diameter：DN20
	D					pipe diameter：DN25
	E					pipe diameter：DN32
	DN...					Please indicate the specific pipe diameter when ordering
		1				female connection
		2				RA
			A			Impeller material：PVDF
				1		material of bodyPOM
				2		Body material: aluminum
				3		Body material: stainless steel
					A	hinge：ZrO2

* The selection table is only available for parameter selection, and the corresponding code is delivered.