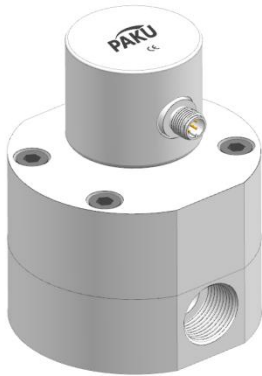**PAKU**

On the display

no display

principle and characteristics

SN54B gear flow sensor built–in double circular gear operation, through the high precision gear volume calculation medium through the volume, to tiny fluid medium measurement. Is a new type of volumetric flow sensor. Used for precise continuous or discontinuous measurement of liquid flow or instantaneous flow in the pipeline.

◆ Pulse /4–20mA analog double output
◆ High pressure resistance (1.0–45MPa)
◆ High and low temperature resistance (–196... 200 ℃)
◆ can measure all kinds of viscous media
◆ High precision and repeatability
◆ Range ratio width (1:100)
◆ wide measurement range
◆ Anticorrosion, anti pollution ability (acid and alkali)

product application

SN54B gear flow sensors are widely used in a variety of industries for accurate low flow measurement. Applicable medium: additive fuel, water treatment flotation tank, corrosion inhibitors, catalysts, emulsifiers, oil, grease, spices, adhesives, solvents, ink and pesticides and other high viscosity medium. Application industries include automobile, aviation, mining, electric power, chemical, pharmaceutical, food, coating, petroleum, environmental protection, printing and other industries

Especially suitable for heavy oil, polyvinyl alcohol, resin and other high viscosity medium flow measurement (can measure the viscosity of up to 10000Pa. S fluid). Small volume, light weight, small vibration noise and stable operation, can also be used to measure small pipe diameter of the measurement of small flow. Small starting flow, wide range ratio, suitable for metering in line with the change of liquid flow, measurement accuracy is not affected by the change of pressure and flow, stable performance, long life, large flow capacity.

◆ Resin and glue measurement
◆ Measurement of hydraulic oil, lubricating oil and grease
◆ Fuel oil measurement
◆ Measurement of liquid nitrogen, refrigerating liquid and solvent
◆ Filling measurement of edible oil, fish oil and food
◆ Chemical and corrosion protection requirements for fluid measurement
◆ Fluid quantitative control system

technical note

Measuring range	See the parameter table for details.
output signal	4–20 ma/pulse
measurement precision	0.5% FS
repeatability	0.1% FS
power supply	16––30Vdc
mediumThe temperature	–30...80℃ (high temperature custom 150℃)
The material pressure	Aluminum: standard voltage 100bar Stainless steel: standard pressure 200bar Stainless steel: custom pressure 450bar

接线图

stitch	cable	signal
1	brown	power supply
2	white	Switch 2
3	blue	GND
4	black	开关1
5	gray	MA/pulse P
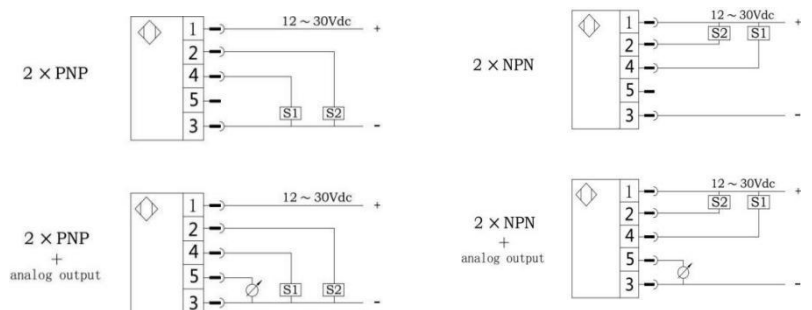
Dimension figure
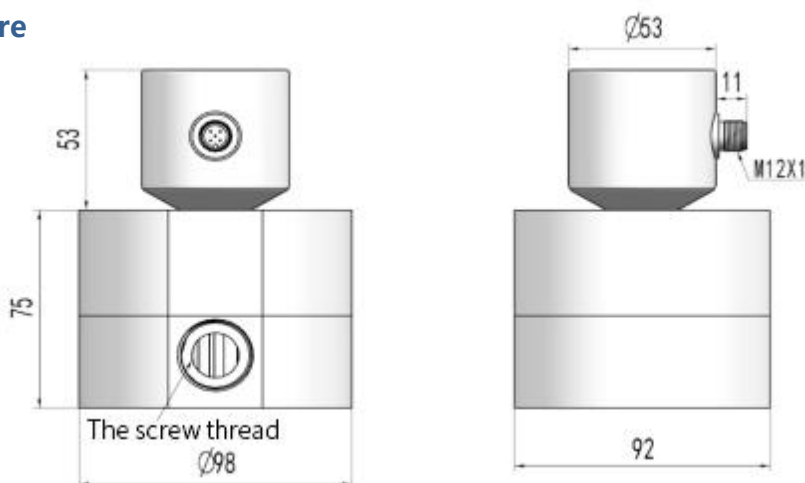
选型表

SN54B–	A2	1	F	X	B	详述
SN54B–						SN54B series small circular gear flow sensor
	A1					Measuring range: 0.003–0.8L/ Ml (corresponding: internal thread G1/8)
	A2					Measuring range: 0.003–2L/min (corresponding: internal thread G1/4)
	A5					Measuring range: 0.004–4L/min (corresponding: internal thread G1/4)
	A8					Measuring range: 0.1–10L/min (corresponding: internal thread G1/4)
	A8.1					Measuring range: 0.01–10L/min (corresponding: internal thread G1/4)
	A9					Measuring range: 0.2–20L/min (corresponding: internal thread G1/2)
	A9.1					Range: 0.02–18L/min (corresponding to internal thread G3/8)
	A10					Measuring range: 0.03–40L/min (corresponding: internal thread G1/2)
	A15					Range: 0.8–80L/min (corresponding: internal thread G3/4)
	A15.1					Range: 0.05–80L/min (corresponding: internal thread G3/4)
	A20					Measuring range: 0.1–120L/min (corresponding: internal thread G1)
	A25					Measuring range: 1–250L/min (corresponding: internal thread G1–1/4)
	A30					Measuring range: 2–380L/min (corresponding: internal thread G1–1/2)
		1				2 switch quantity +1 analog quantity 4–20MA output, local display
		2				1 analog output, no display
			F			Sealing material FKM(standard type)
			P			Sealing material PP (anticorrosive type)
				L		Body material: alumina
				X		Body material: 304 stainless steel
				P		Body material: PP
					B	The standard model
					T	High temperature custom
					P	High pressure custom

*Note: The pulse coefficient of the flowmeter is indicated on the flowmeter and is generally XX ml/pulse。
* The selection table is only for parameter selection, and the corresponding codes of parameters are delivered。