



Dimension (unit: mm)

# SINTEK

## Electronic flow switch



### Principle, Structure:

There are two resistors in the enclosed probe based on the thermal principle. One of them is heated as the detection resistor and the other is not heated. As the reference resistance, when the medium flows, the heat on the heating resistor is taken away. The resistance value is changed, the two resistance differences are used as the basis for judging the flow rate.

### Features:

No moving parts, maintenance free, easy to install, one type can meet a variety of diameter requirements. Switching value is continuously adjustable, very low pressure loss, compact structure, LED display flow trends and switch status.

### Application:

Gas liquid dual use type, used for pneumatic and hydraulic systems, circulating water, cutting fluid and lubricating oil flow monitoring, and pump idling protection.

## SF Order Ref No

SF-N2-M-24V-N-R

1 2 3 4 5

1 Pressure Connection	2 Connection Type	3 Power Supply	4 Output	5 Output method
G2=1/2 G, G4=1/4 G	M=Male	24V=VDC24V±20%Power Supply	P=PNP Output	R=NO+NC Output
N2=1/2 NPT, N4=1/4 NPT			N=NPN Output	
			R=Relay output	

## Specification

Setting Range	1...150cm/s(Water),3...300cm/s(Oil), 20...2000cm/s(Gas)	Initialization time	About 8s
Signal output	PNP, NPN, Relay Type, NO+NC	Electrical protection	Reverse, short circuit, overload protection
Power Supply	24V±20%DC	Protection level	IP67
Turn on current	Max 400mA(PNP, NPN); Max 1A@24V ac/dc (Relay Type)	Medium temperature	-20~80°C
No load current	Max 80mA	Ambient temperature	-20~80°C
Flow indication	LED (6pcs)	Storage temperature	-20~80°C
Setting Type	Potentiometer Setting	Connection mode	M12 Socket Connector
Proof Pressure Range	100bar	Material	Probe: stainless steel; Housing: stainless steel
Medium temperature change	≤4°C/s	Weight	About 0.4kg
Response time	1 13s, Typical value 2s		