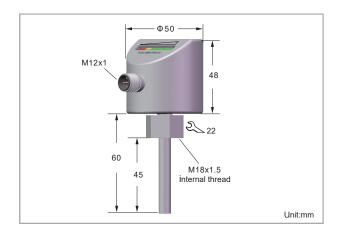
PLSU Series General flow sensor PLSU-18MN-AP6D-SC

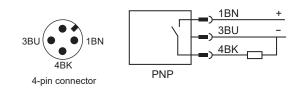


Technical Parameters

Electrical parameters

Installation method	Insertion
Medium	liquid
Operating range	Water 1 150 cm/s
	Oil 3300cm/s
Operating voltage	24V±20%
Rated switching current	≤200mA
No-load current	≤ 100mA
Output method	PNP Normally open
Switching characteristics	< 8s
On/off time	< 2s
Temperature change response time	Maximum 12s
Medium temperature	-20+80°C
Reverse polarity protection	Built-in
Short-circuit protection	Built-in
Display	3-colour LED light strip
Protection class	IP67

Wiring Diagram



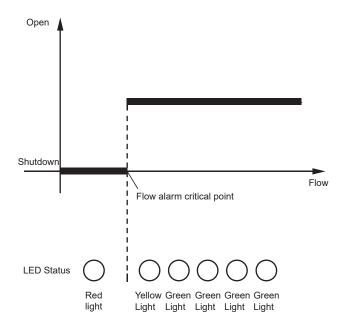
Based on the thermal conductivity principleAll stainless steel shell

- The measuring medium is liquid
- M18x1.5 internal thread
- 3-wire PNP normally open output
- Switching point adjustable via potentiometer
- M12 Connector outlet

Mechanical parameters

Shell material	Stainless steel
Probe material	304 stainless steel
Threaded connection	M18 x 1,5 internal thread
Withstand voltage level	100bar
Maximum torque of shell nut	30Nm
Electrical connections	M12 connector

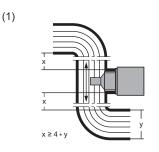
Switching signal state





Installation instructions:

Installation needs to be used in conjunction with welded pipes or tees

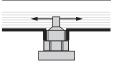


Special attention: The distance between the straight pipe and the elbow or intersection should not be less than 4 times the pipe diameter, that is, $x \ge 4y$

Debugging method:



(2)



When the medium cannot completely fill the pipe, the sensor needs to be installed at the bottom of the pipe

(3)



If there is a possibility of sediment in the pipe, install the sensor sideways and horizontally. Make sure there are no air pockets near the probe.

LED Meaning:

The flow sensor uses 6 LEDs to indicate the flow status.

Switch signal output:

- 4 green LEDs: set point exceeded (1, 2, 3 or 4 green LEDs lit)
- 1 yellow LED: set point reached / set point exceeded
- 1 red LED: below set point, alarm output

According to the *indication*, the light of the rotary potentiometer will increase or decrease in sequence.

Adjustment settings

The setting of flow sensor should follow the following steps

- (1)The sensor must be installed on the pipe and the required flow rate (set point) must be selected. Adjustments can only be made 8 seconds after the device is powered on.
- (2)Before adjustment, you need to open the plastic dustproof screw at the front of the sensor. The dustproof screw is used to protect the adjustment potentiometer from dust.
- (3) a.Establish the minimum flow rate (set point).b.Adjust the potentiometer so that the red LED lights up.
 - c.Restore the flow rate to normal so that at least the yellow light and one green light are on.