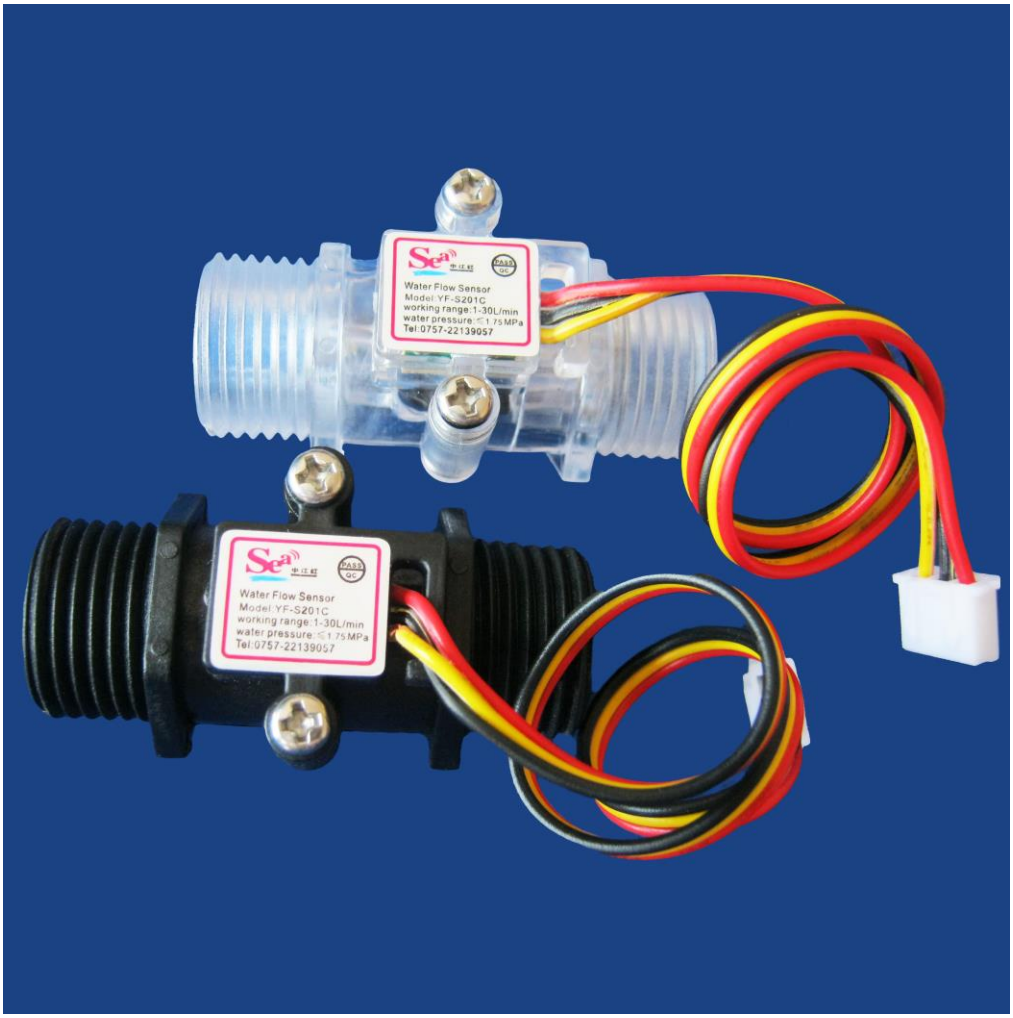
YF-S201C


Water Flow Sensor
Model:YF-S201C
working range:1-30L/min
water pressure:≤1.75MPa
Tel:0757-22139057
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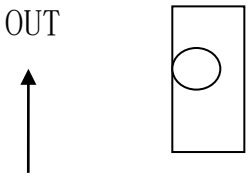
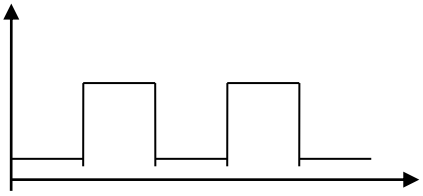
安装方向示意图 Installation

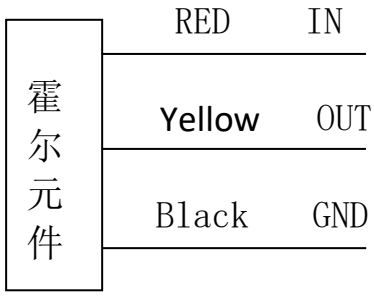


输出波形图：Output Ascillogram



Duty Cy=40%～60%

引出线方式：Method of outgoing line



Hall Element

Tech Parameter

基本参数	1、 最低额定工作电压 rated operational voltage	DC 5V-24V
	2、 最大工作电流 MAX operating current	15 mA （DC 5V）
	3、 工作电压范围 operating current range	DC 5～18 V
	4、 负载能力 Load capacity	≤10 mA （DC 5V）
	5、 使用温度范围 Using temp range	≤80℃
	6、 使用湿度范围 Using humidity range	35%～90%RH（Permit withstand voltage）
	7、 允许耐压 Permit withstand voltage	Under Water pressure 1.75Mpa
	8、 保存温度 Storage temp	-25～+80℃
	9、 保存湿度 Storage humidity	25%～95%RH
技术要求	1、输出脉冲高电平 Output pulse high level	>DC 4.5 V （input voltage DC5V）
	2、输出脉冲低电平 Output pulse low level	<DC 0.5 V （output voltage DC5V）
	3、精度 Accuracy （流量--脉冲输出） Flow- Output pulse	1～25L/min±3%
	3、输出脉冲占空比 Output pulse duty cycle	50±10%
	4、输出上升时间 Output rise time	0.04μS
	5、输出下降时间 Output fall time	0.18μS
	6、流量-脉冲特性 Flow-Output pulse character	horizontal checkout impulse frequency (Hz)=[5.0 Q]±3% (Q=L/min)
	7、绝缘电阻 Insulation resistance	Hall element and copper valve body Insulation resistance above 100MΩ.
	8、耐热性 Heat resistance	In 80±3℃ the environment place 48h, return to normal temp 1-2h without abnormalities, and parts without cracks, relaxation, expansion, deformation and other phenomena, accuracy changes within 10%.
	9、耐寒性 cold resistance	In -20±3℃the environment place 48h, return to normal temp 1-2h without abnormalities, and parts without cracks, relaxation, expansion, deformation and other phenomena, accuracy changes within 10%.
	10、耐湿性 humidity resistance	In 40 + 2 ℃, relative humidity 90% ~ 95% RH environment put out 72h after more than 1MΩ insulation resistance.

	11、拉拔强度 Pull strength	The pulling force of 10N was applied on the leading-out line for 1 minute, without loosening or breaking, and the performance was unchanged.
	12、耐久性	In normal temp, the water pressure of 0.1MPa was fed into the water inlet, and the cycle was switched on for 1S and turned off for 0.5s. There was no abnormality after 300,000 tests.