

SMP4630 Series

Features

- 4~20mA DC 2-wire current output.
- RS485 communication, temperature double output mode.
- High-precision, can reach 0.05%FS.
- Anti water pressure impact, anti vibration, can be directly thrown into the water at high altitude.
- IP68, stainless steel.

Application

- Water conservancy and hydrology, water tower, water resources survey.
- Urban water supply, municipal environment, sewage monitoring.
- Water tank, tank, storage tank, etc.
- Hydropower, thermal power and other power systems.
- Petroleum, LNG, chemical industry and other fields.



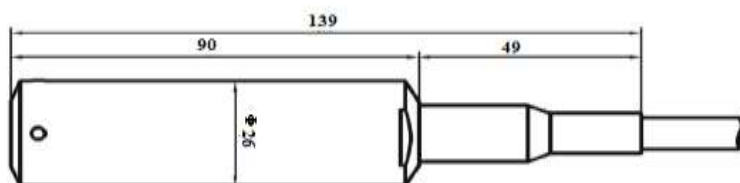
Specification:

Pressure range	1, 2, 5, 10, 20, 50, 100, 200, 500 mH ₂ O
Overpressure	2times FS; ≤5m(5times)
Accuracy grade	±0.2%FS(minimum), ±0.2%FS(Typical), ±0.3%FS(maximum)
Power supply	9 to 30VDC
Output signal	4-20mA/RS485
Electrical connection	Φ7.2mm shielded cable
Insulation resistance	100MΩ, 100VDC
Protection level	IP68
Shock	20g(20-5000)Hz
Impact	20g, 11ms
Working Temperature	-40 to 85℃
Storage Temperature	-40 to 105℃
Long-term stability	±0.2%FS/year

The minimum comprehensive precision is defined within a specific temperature range, normally the nonlinear, hysteresis, repeatability, zero temperature drift, sensitivity temperature drift, stability, etc. at 30℃.

Within the 5 mH₂O range, the comprehensive accuracy control at ±0.3%FS, temperature range: -10 to 50℃

Outline Construction (Unit: mm)

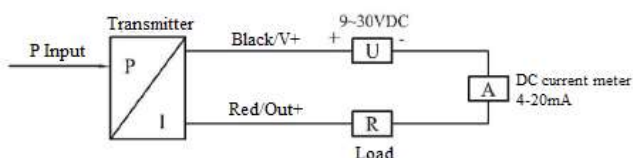


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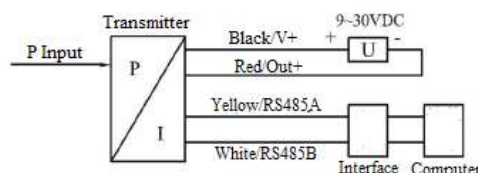
Electrical connection:

Wire color	Black	Red	Yellow	White
Definition	+V	OV/+OUT	RS485A	RS485B

a) Two wire system (4-20)mA output



b) RS485 electrical connection:



Selection Guide:

SMP4630 series Intelligent liquid level transmitter					
Pressure range			Measuring range		
[0-X mH ₂ O]L, X: Actual measuring capacity,L(cable length, m)			0-1...500 mH ₂ O		
	Code		Output signal		
	E		4-20mADC		
	R4		RS485 communication interface		
	R8		RS485 communication interface, MODBUS Communication protocol		
	Material				
	Code		Diaphragm	Pressure port	Housing
	22		SS 316L	SS	SS
	24		SS 316L	SS 316L	SS 316L
			Code	Additional function	
			C1	M20x1.5 male screw pressure interface, end face seal	
		C5	M20x1.5 male screw pressure interface, waterline seal		
		Ya	Aluminum junction box with display		
		Yb	Aluminum junction box without display		
		Yd	PD140 type lightning protection junction box		
		F1	Fixed flange		
Full model: for example: SMP4630-[0-10 mH ₂ O]-ER4-22-Ya					

Selection note:

1: The cable is special cable; the length of the cable should be higher than the measured medium liquid level, and keep the ventilation pipe unimpeded.