

SMP4600 Series

Features

- Stainless steel 316L, protection grade IP68.
- Medium liquid level, temperature double output mode.
- Transmitter probe with anti - deposition, anti - sharp objects stab wounds, prevent the growth of marine life and other functions.
- For high temperature medium temperature drift is small, stable.
- Anti interference, anti-lightning.

Application

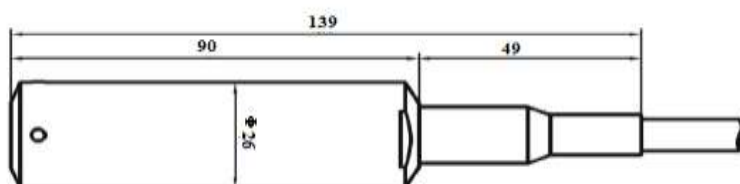
- Ship transportation, ocean monitoring, river, groundwater level monitoring, water conservancy and hydrology, pool, water tower, urban water supply, urban road Sewage Monitoring, Petroleum and chemical industry, electric power and other industries liquid depth monitoring.



Specification:

Pressure range	1, 2, 5, 10, 20, 50, 100, 200, 500 mH ₂ O	
Overpressure	2times FS; ≤5m(5times)	
Accuracy grade	±0.25%FS(Typical)	±0.5%FS(maximum)
Zero temperature coefficient	±0.02%FS/°C(Typical)	±0.05%FS/°C(maximum)
FS temperature coefficient	±0.02%FS/°C(Typical)	±0.05%FS/°C(maximum)
Stability error	±0.1%FS(Typical)	±0.2%FS(maximum)
Power supply	8 to 30VDC	
Output signal	4-20mADC, 0/1-5/10VDC(10VDC need the power supply more than 12V)	
Protection level	IP68	
Diaphragm	Stainless steel 316L	
Working Temperature	-40 to 85 °C	
Storage Temperature	-40 to 85 °C	
Temperature output error	±1 °C	
Cable material	polyurethane	

Outline Construction (Unit: mm)



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Selection Guide:

SMP4600 series Liquid level sensor					
Pressure range: X: Actual measuring capacity		Cable			
[0-X mH ₂ O]		L(length, m)			
	Code		Output signal		
	E		4-20mA		
	F		1-5VDC		
	J		0-5VDC		
	V		0-10VDC		
	Material				
	Code		Diaphragm	Pressure port	Housing
	22		SS 316L	SS 304L	SS 304L
	24		SS 316L	SS 316L	SS 316L
			Code	Additional function	
			M1	0-100% Display instrument	
			M3	3 ½ digits Display instrument	
		Y	Junction box		
		C3	G1/2 male screw		
		C5	M20x1.5 male screw pressure interface, waterline seal		
		F	Fixed flange		
		X	No additional requirements		
Full model: for example: SMP4600-[0-5 mH ₂ O]-L-E-22-X					

Selection note:

1: Please provide the measured medium's temperature, density, characteristic, in order to calibrate, please note that the tested medium and the contact medium should be compatible.

2: Use in the field or at high altitude, suggested add anti lightning protection device, ensure reliable grounding.

3: The grounding of the cable shielding line shall be based on the actual judgment of the engineer, if have a reliable ground, then access the shield, if do not have a reliable ground, do not connect the shield, to prevent interference sources, cause damage to the circuit.