

BCS-2L Series Immersion Liquid Level Sensor

Overview

The BCS-2L Series Immersion Liquid Level Sensors are mainly used for water level measurement in fields such as heating, ventilation and air conditioning (HVAC), water pool treatment, water pool, well and etc.



Features

- Adopts an oil-filled diffused silicon core with high precision and high overload capacity.
- Excellent corrosion resistance and wear resistance.
- Built-in temperature compensation, supporting the Modbus-485 communication protocol.
- The bottom stainless steel cap is detachable, which not only prevents accidental damage to the diaphragm but also facilitates regular cleaning.
- The top sensor adopts the latest double-layer waterproof structure, doubling the waterproof effect.

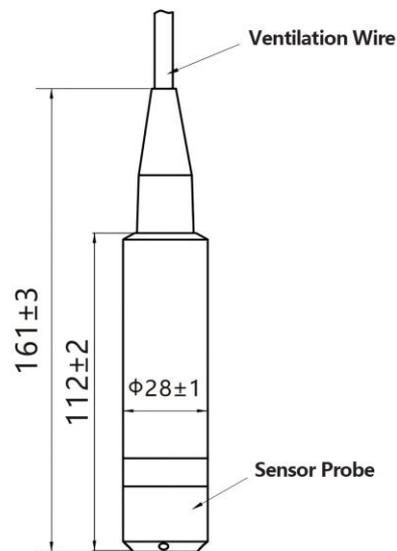
Specifications

Applicable Medium	Water, liquids (compatible with stainless steel, PE, PVC, rubber)
Measuring Range	0~5m H ₂ O (water column)
Overload Pressure	1.5*FS
Medium Temp.	-20°C~85°C
Measuring Accuracy	±0.5%FS
Operating Temp.	-20°C~85°C
Storage Temp.	-40~100°C
Long-term Stability	<0.5% FS/year
Repeatability	Typical value: 0.05% FS; Maximum value: 0.08% FS
Hysteresis	Typical value: 0.05% FS; Maximum value: 0.08% FS
Zero Drift	Typical value: ±0.4% FS @25°C; Maximum value: ±1% FS @25°C
Sensitivity Drift	Typical value: ±0.4% FS @25°C; Maximum value: ±1% FS @25°C
Output Signal	0V~10V, 4mA~20mA, Modbus RTU (RS485)
Cable Length	6m
Power Supply	
For 0V~10V output:	12~36VDC
For 4mA~20mA output:	8~36VDC
For Modbus output:	10~30VDC
Certifications	CE, RoHS
Protection Class	IP68
Weight	685.3g
Material	
Housing:	SS304 (stainless steel 304) + PE
O-ring Sealing:	Fluor rubber (default)

Ordering Information

Model No.	Measuring Range	Output Signal/ Protocol
BCS-2L1V-5	5m	0~10V
BCS-2L1A-5	5m	4~20mA
BCS-2L1M-5	5m	Modbus RTU (RS485)

Appearance Dimensions



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