ANL343 Anti Corrosion Level Transmitter

Description

ANL343 anti-corrosion level transmitter is specially designed for strong corrosion liquid level measurement. The product adopts the imported ceramic capacitance sensor as the sensitive element, the shell material adopts corrosion-resistant and strong PTFE material, and cooperates with the special signal conditioning circuit to make a pressure liquid level measurement product with strong corrosion.

Specifications

Range (mH2O)	0~1	0~3	0~5	0~10	0~20	0~50
Overpressure	3	10	10	25	50	100
Range (mH2O)	0~100					
Overpressure	200					

Power Supply	9 ~ 30VDC; 5VDC(For 0.5~4.5VDC output only)
Output	2-wire 4 ~ 20mADC
	3-wire 0 ~ 5VDC
	3-wire 1 ~ 5VDC
	3-wire 0.5 ~ 4.5VDC
Accuracy	±0.25% FS ±0.5% FS(Typical) ±1% FS(≤ 2mH2O)
Long-term Stability	±0.2%FS/ Year
Temp. Coefficient of Zero	＜ 2mH20 ±0.03%FS/℃
	≥ 2mH20 ±0.02%FS/℃
Temp. Coefficient of Span	＜ 2mH20 ±0.03%FS/℃
	≥ 2mH20 ±0.02%FS/℃
Operating Temp.	-20℃~ 85℃
Storage Temp.	-40℃~ 125℃
Load Resistance (Ω)	Current(2-wire): ≤(Supply Voltage -8V)/0.02A
	Current(3-wire): ＞ Max Output Signal /1mA
Protection Class	IP68
Media	Various acidic liquids and gases except hydrofluoric acid
Cable	⌀ 7.5mm PU cable (length 1Meter typically, could be cus tomized)

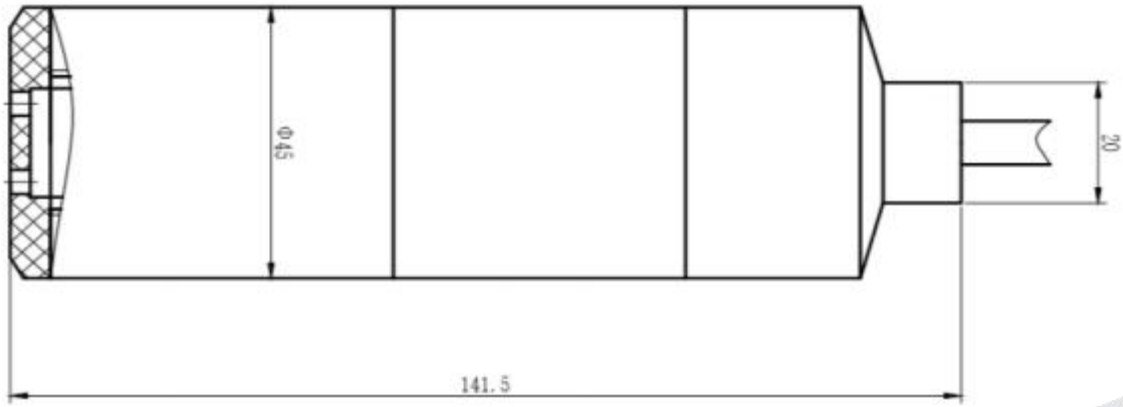
Features

- Multiple output signals are optional;
- Wide measurement range: 0~1...100mH2O;
- Anti-interference and anti-surge protection;
- Polytetrafluoroethylene shell, strong corrosion prevention;

Applications

- Chemical plant
- Sewage treatment plant
- Various acidic liquids and gases except hydrofluoric acid

Size(mm)



Electrical Definition

Functional Definition	Definition	B2(Cable)
2-wire (4 ~ 20mADC)	Positive(V+)	Red
	Negative(0V/OUT+)	Black
3-wire(Voltage Output)	Positive(V+)	Red
	Common(GND)	Black
	Output (OUT+)	White

Selection Guide

ANL343 — [Range] Line Length — Power Supply — Output Signal — Wire — Additional

[Range] Line Length:

[0~1mH2O]L
[0~2mH2O]L
[0~5mH2O]L
.
.
.
[0~100mH2O]L
L:Line Length(m)

Power Supply:

V1:24VDC
V3:5VDC

Output Signal:

E1:4~20mADC
E2:1~5VDC
E3:0~5VDC
E5:0.5~4.5VDC

Wire:

B2:Cable(IP68)

Additional:

G:Gauge Pressure

Noted:

1. The range could be 0mH2O~1mH2O···100mH2O;
2. Please pay attention that the media should be compatible with the contacted parts.