

ANL341 Adaptive Smart Level Transmitter



Features

- Multiple output signals are optional
- All welded design, "0" leak points and permanent sealing
- Anti-interference and surge-proof
- Measurement range: 0~1...200mH20
- Integrated 316L stainless steel diaphragm
- Anti-lightning, IEC61000-4-5/Level-4 standard
- Excellent resistance against overload, shock and resistance to electromagnetic compatibility

Applications

- Waterworks, Chemical Factory
- Sewage Service
- Deep Wells, Dam
- Flood Control Works,
 Irrigation Project

Description

ANL341 Adaptive Smart Level Transmitter accurately measures static pressure of the liquid proportional to the level depth using high performance piezoresistive sensor diffused. The result is converted to standard current or voltage signal output through signal conditioning circuit. The product has advantages of high precision and small volume.

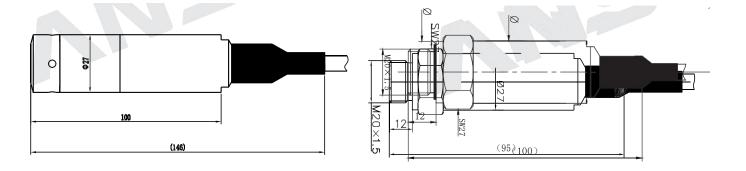
Specification

Range (mH20)	0~1	0~2	0~3.5	0~5	0~10	0~20
Overpressure	2	4	7	10	20	50
Range (mH20)	0 [~] 50	0~100	0~200			
Overpressure	100	200	400			

Supply Range	Power supply 8 \sim 30VDC				
Output	2-wire 4~20mADC				
	2-wire 4~20mADC+Hart				
	4-wire RS485 Modbus_RTU				
	2-wire 4~20mADC+RS485 Modbus_RTU				
Accuracy	$\pm 0.1\%$ FS $\pm 0.25\%$ FS (typical) $\pm 0.5\%$ FS ($\leq 2mH20$)				
Long-	±0.15%FS/ Year				
term stability					
Temp. Coeff-	< 2mH20 ±0.03%FS/°C				
	≥ 2mH20 ±0.02%FS/°C				
zero					
Temp. Coeff-	< 2mH20 ±0.03%FS/°C				
icient of span	≥ 2mH20 ±0.02%FS/°C				
Compensation	0°C∼ +70°C				
Temp.					
Operating	-10°C∼ 70°C				
Temp.					
Storage Temp	−20°C∼ 85°C				
Load Resistance	Current (2-wire) : ≤ (Supply Voltage -8V) /0.02A				
(Ω)					
Protection	IP68				
Class					
Media	Media should be compatible with 316L and FKM				
Cable	Ø 7.5mm PU cable (length 1Meter typically, could be cus				
	tomized)				



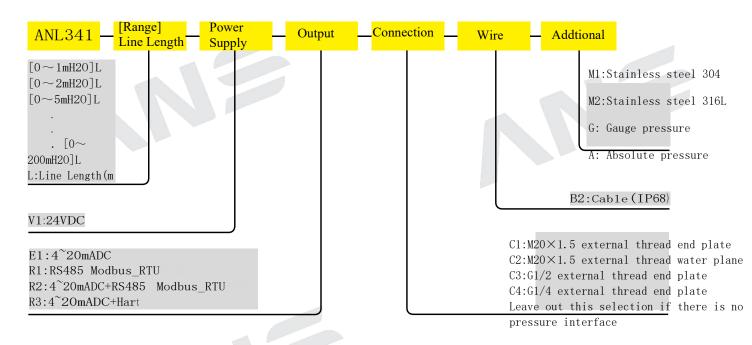
With Pressure Connection



Electrical Connection

Functional	Definition	B2(Cable)	
Definition			
2-wire(4 ~ 20mADC)	Positive (+V)	Red	
	Negative(OV/+OUT))	Black	
	Positive (+V)	Red	
4-	Power (OV/+OUT)	Black	
wire	RS485A	Yellow	
	RS485B	White	

Selection Guide



Noted:

- 1. The range could be 0mH20~1mH20····200mH20;
- 2. Please pay attention that the media should be compatible with the contacted parts.