

ANL341 Adaptive Smart Level Transmitter

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 (mH2O)	0~1	0~2	0~3.5	0~5	0~10	0~20
Overpressure	2	4	7	10	20	50
Range (mH2O)	0~50	0~100	0~200			
Overpressure	100	200	400			

Features

- Multiple output signals are optional
- All welded design, "0" leak points and permanent sealing
- Anti-interference and surge-proof
- Measurement range: 0~1...200mH2O
- 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

Supply Range	Power supply 8 ~ 30VDC
Output	2-wire 4~20mADC
	2-wire 4~20mADC+Hart
	4-wire RS485 Modbus_RTU
	2-wire 4~20mADC+RS485 Modbus_RTU
Accuracy	±0.1% FS ±0.25% FS (typical) ±0.5% FS (≤ 2mH2O)
Long-term stability	±0.15%/Year
Temp. Coefficient of zero	< 2mH2O ±0.03%FS/°C
	≥ 2mH2O ±0.02%FS/°C
Temp. Coefficient of span	< 2mH2O ±0.03%FS/°C
	≥ 2mH2O ±0.02%FS/°C
Compensation Temp.	0°C~ +70°C
Operating Temp.	-10°C~ 70°C
Storage Temp	-20°C~ 85°C
Load Resistance (Ω)	Current (2-wire) : ≤ (Supply Voltage -8V) /0.02A
Protection Class	IP68
Media	Media should be compatible with 316L and FKM
Cable	∅ 7.5mm PU cable (length 1Meter typically, could be customized)

