

# ANL361 Digital Display Intelligent Liquid Level Transmitter



## Description

ANL361 digital display intelligent liquid level transmitter is a high-precision and high-stability liquid level measurement product independently designed and produced by our company. The product is an integrated product with a silicon piezoresistive sensor with stainless steel isolation diaphragm and a special circuit, which outputs standard industrial signals after signal amplification, anti-interference, anti-surge protection and other signal processing.

## Specifications

Range	1、 2、 5、 10、 20、 50、 100、 200mH <sub>2</sub> O
Overload	2 times of url or 110MPa( take minimum )
Pressure Type	Gauge pressure, absolute pressure, sealed gauge pressure
Power Supply	10 ~ 30VDC(without display)
	15 ~ 30VDC(LED or LCD display)
Output Signal	2-wire 4 ~ 20mADC: power supply 11 ~ 30VDC
	4 ~ 20mADC+RS485(Modbus-RTU); power supply 11 ~ 30VDC
	RS485(Modbus-RTU); power supply 8 ~ 30VDC
	4 ~ 20mADC+Hart; power supply 11 ~ 30VDC
Accuracy	±0.25% FS ±0.5% FS
Long-term Stability	±0.2%FS/ year
Temp. Coefficient of Zero	< 10mH <sub>2</sub> O ±0.03%FS/°C
	≥ 10mH <sub>2</sub> O ±0.02%FS/°C
Temp. Coefficient of Span	< 10mH <sub>2</sub> O ±0.03%FS/°C
	≥ 10mH <sub>2</sub> O ±0.02%FS/°C
Medium Temp.	-30°C~ 80°C
Operating Temp.	-30°C~ 80°C(without display)
	-30°C~ 70°C(LED display)
	-20°C~ 60°C(LCD)
Storage Temp.	-40°C~ 120°C
Load Resistance (Ω)	≤(supply voltage -10V)/0.02A
Seal	FKM
Electronic Housing	Aluminium alloy
Cable	φ7.5mm Polyethylene cable

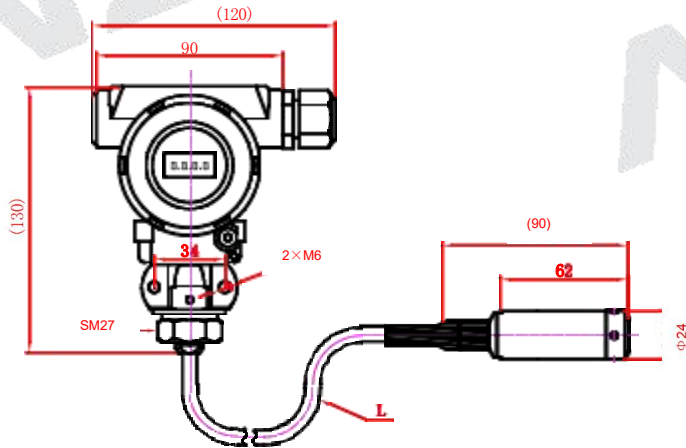
## Features

- Multiple output signals are optional
- LCD、 LED display optional
- Reverse polarity protection, anti-interference protection, overvoltage and overcurrent protection
- High accuracy and stability
- 316L stainless steel isolation diaphragm, integrated design

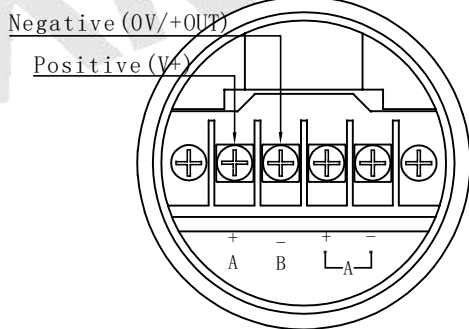
## Applications

- Water conservancy, hydro-power
- Petroleum, chemical industry
- Hydraulic, pneumatic

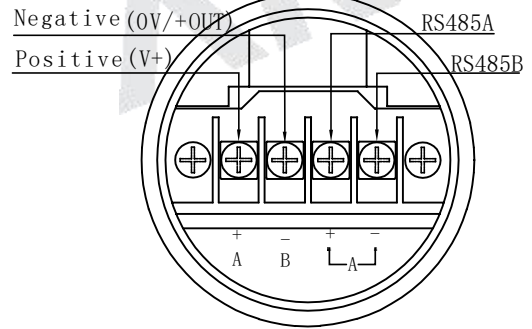
### Size (mm)



### Electric Connection

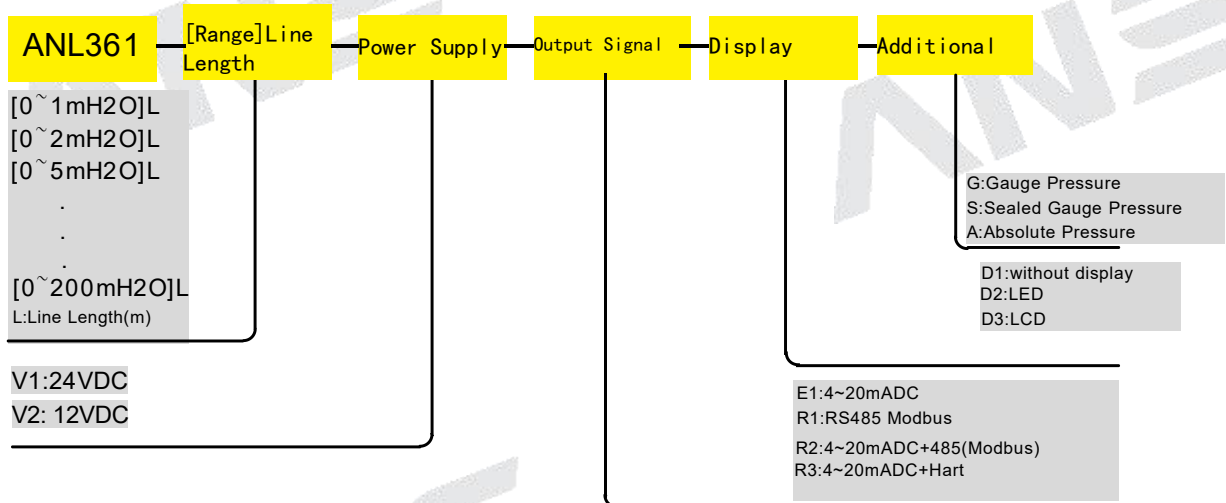


4-20mA and HART Output



RS485 Output

### Selection Guide



Noted:

1. The liquid level range should be 0 ~ 1mH<sub>2</sub>O...200mH<sub>2</sub>O ;
2. The media should be compatible with the contacted parts.