

# Submersible Liquid Level Sensor

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◆ IN: 0~0.5~500 m

◆ OUT: RS485

◆ PWR: DC12~24V



**Submersible liquid level transmitter**



## Level Transmitter

### Submersible liquid level transmitter

- ✓ Diffused silicon core
- ✓ Anti-overload, anti-shock
- ✓ Suitable for many situation, tank, pool, lake, well, etc



1>>. ELLT200 Submersible level transmitter(static pressure level transmitter) uses imported anti-corrosion diaphragm sensitive components and fit the chip into a stainless steel housing. The top steel cap acts as a protective sensor diaphragm and also allows water to contact the diaphragm smoothly.

2>>. ELLT200 transmitter adopts special waterproof ventilation cable, which makes the pressure chamber of the pressure sensitive membrane communicate with the atmosphere well. Meanwhile the measurement

liquid level is not affected by the change of external atmospheric pressure the measurement is accurate with long term stability and excellent performance.



## Product Parameters

Product name	Submersible level transmitter
Pressure range	0~0.5~500m H <sub>2</sub> O
Output signal	4~20mA,0~5V,0~10V,0.5~4.5V,RS485
Power supply	12~36Vdc(24Vdc),5Vdc
Accuracy	0.5%FS(default), 0.2%FS
Response time	≤8mS
Overload capacity	200%FS
Medium temp.	-20~85°C
Ambient temp.	-40~80°C
Long term stability	±0.2%FS/year
Zero temp. drift	±0.5%FS/°C
Sensitivity temp. drift	±0.5%FS
Mechanical vibration	20g(20~5000Hz)
Sampling time	20 times/second
Insulation resistance	≤100MΩ/250VDC
Protection grade	IP68
Compatible media	Various media compatible with SS304

### Product Features



## Product Features

### ● Use high-quality components



Intelligent circuit board ensures accuracy & stability of signal



Imported diffused silicon chip



Polyurethane cable, built in shielding layer, strong anti interference

### ● Removable bottom, triple protection

With rubber ring effectively prevent water leakage



45 ° inclined design effectively avoid the errors caused by liquid level fluctuation



buffer damping design,  
resist instantaneous pressure impact,  
protect the internal diaphragm

## ● Built-in ventilation tube



## ● Stainless steel 304&316 shell





Stainless steel shell, effectively deal with severe working conditions on site, and ensures stable performance.

## ● IP68 waterproof protection

Integrated forming without welding,  
5 layer sealing protection,  
meet IP68 waterproof.



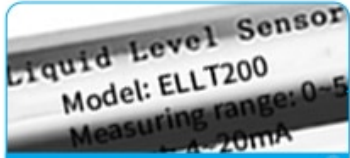
## ● Level sensor decomposition



**Buna-N cable, strong anti interference**



**High accuracy imported diffusion silicon sensor**



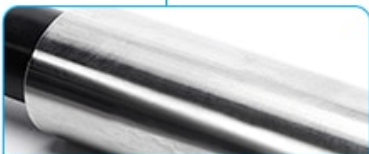
**OEM logo laser**



**Anti-clogging probe**



**IP68 protection**



**SS304 or SS316 material**

Liquid Level Sensor  
Model: ELLT200  
Measuring range: 0-5m  
Output: 4-20mA

Liquid Level Sensor  
Model: ELLT200  
Measuring range: 0-5m  
Output: DC24V  
Accuracy: 0.2%FS



## Available output signals



Product Selection



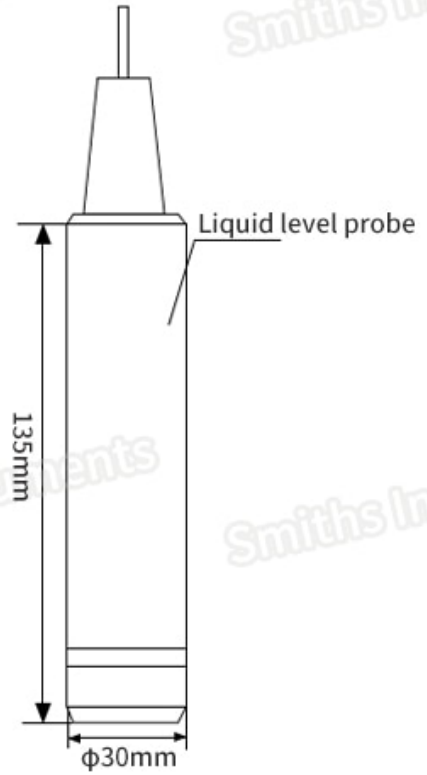
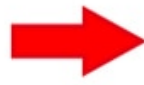
## Product Selection

<b>Model</b>	ELLT200				
<b>Measuring range</b>	0~0.5~500m H <sub>2</sub> O				
<b>Output signal</b>	O1:4~20mA	O2:0~5Vdc	O3:0.5~4.5Vdc O4:0~10Vdc	O5:1~5Vdc	O6:RS485
<b>Power supply</b>	P1:DC24V P2:DC12V P3:DC5V(only for 0.5~4.5V output)				
<b>ELLT200</b>	<b>5m</b>	<b>O1</b>	<b>P1</b>	eg: ELLT200, measuring range 5m,output 4-20mA, power supply DC24V	

### Product Dimension



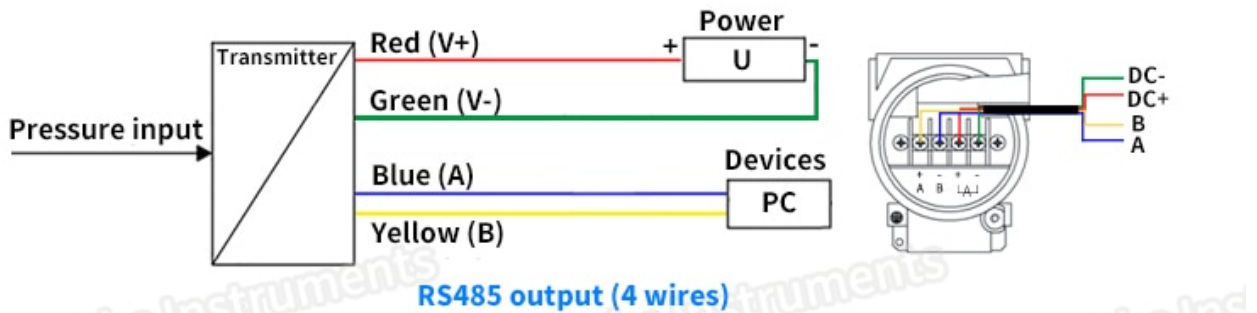
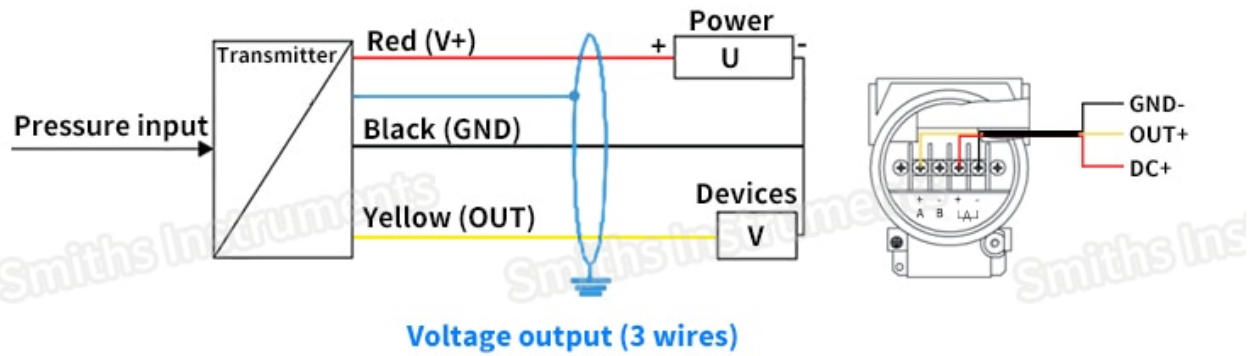
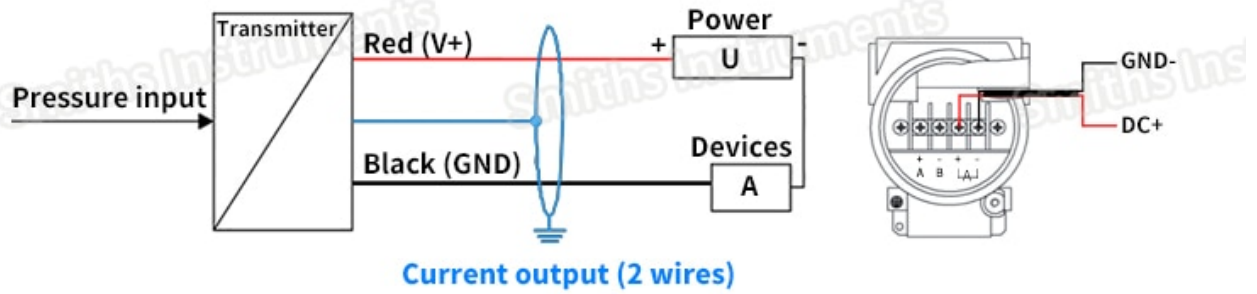
## Product Dimension



## Product Wiring Diagram



# Wiring Diagram



## Product Application



# Product Application

Fire water tank



Deep well



River/reservoir



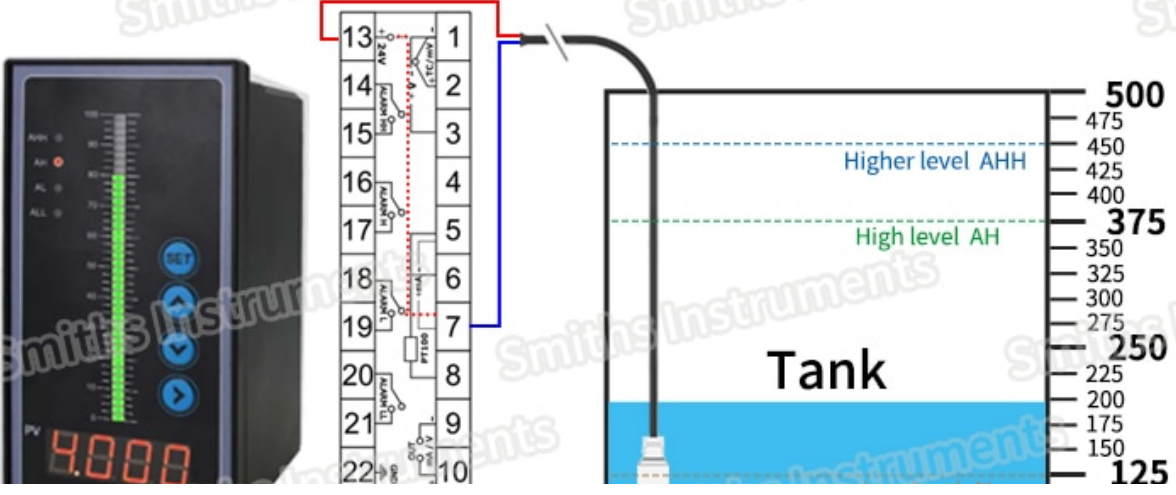
Industrial pool



# Read & Monitor & Control Solutions of the tank



1. Liquid level read & monitor & control Solutions of the tank.





2. PM14 panel meter and EL series hydrostatic sensor work on the tank.

Real Product Pictures











## Company Information