



# AVC-WS101LL

## Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



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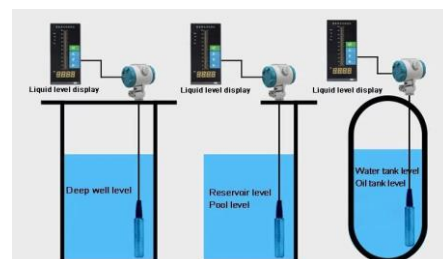
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United States

## Liquid level sensor

### AVC-WS101LL

The protective cap on the front end of AVC-WS101LL submersible liquid level transmitter protects the sensor diaphragm and facilitates smooth contact with the liquid. The waterproof conductor is securely sealed to the casing, and the vent tube within the cable connects to the external environment. The internal structure is designed to prevent condensation. Equipped with a built-in miniature signal processing circuit, it supports remote transmission and is known for its excellent stability and reliability. It is widely applicable for liquid level measurement and control in various fields such as water treatment plants, sewage treatment plants, urban water supply systems, high-rise building water tanks, wells, geothermal wells, mines, industrial water tanks, oil tanks, hydrogeological sites, reservoirs, rivers, and marine environments.



## Features&Benefits

- Polarity reversal protection and instantaneous overcurrent overvoltage protection, meet EMI protection requirements.
- Temperature automatically compensated, with automatic temperature drift correction.
- Using high-quality air conducting cables of long-term immersion in water.
- Strong overload and anti-interference capabilities, economical, practical, and stable.
- Adopting core automatic correction algorithm can effectively prevent numerical fluctuations caused by water surface fluctuations.
- Effectively prevents sludge impurities from entering and offers impact resistance.
- Demonstrates excellent stability and reliability.

Measuring range	0-100m (optional)
Measurement accuracy	0.2%FS、0.5%FS (default)
Output signal	RS4865 MODBUS, 4-20mA, 0-5V, 0-10V (optional)
Temperature drift	0.03%FS/°C
Power supply	12-36V DC Typical 24V
Power consumption	0.48W
Media temperature	-10~+50°C

Protection rating	IP68
Current load capacity	≤500Ω
Voltage Output Resistance	≤510Ω
Measuring medium	Oil, water, etc. that do not corrode stainless steel.
Overload capability	<1.5 times the range
Temperature resistance of transmitter components	-40°C~+80°C



Groundwater level measurement



Reservoir water level measurement



Water level measurement



Sewage tank water level measurement

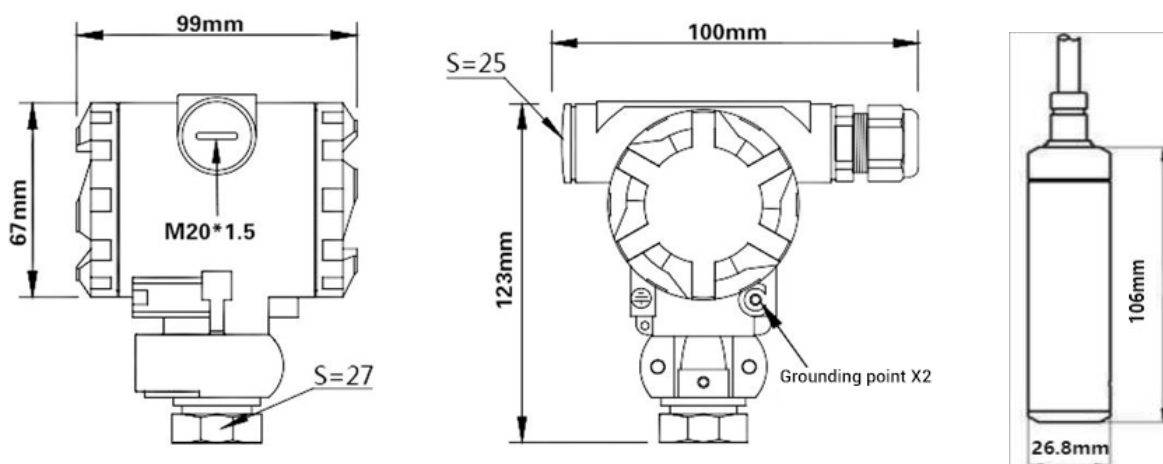


## Ordering Information

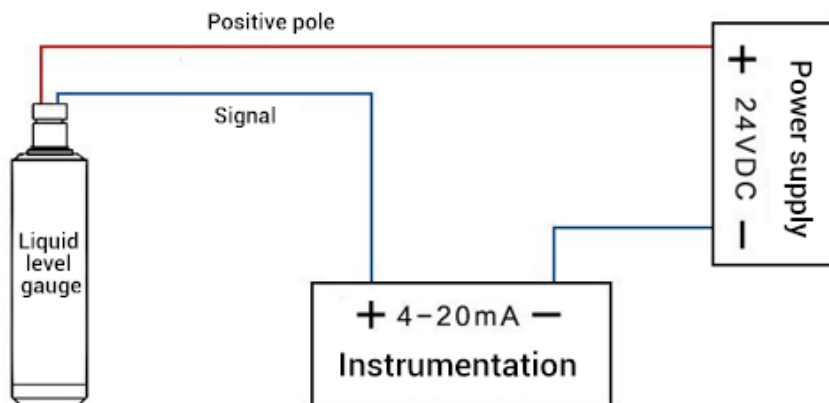
Model Name	Description
AVC-WS101LL-5M	Outdoor liquid level sensor, 0-5M, RS4865 MODBUS, 4-20mA, 0-5V, 0-10V optional, 12-36V power supply.
AVC-WS101LL-10M	Outdoor liquid level sensor, 0-10M, RS4865 MODBUS, 4-20mA, 0-5V, 0-10V optional, 12-36V power supply.



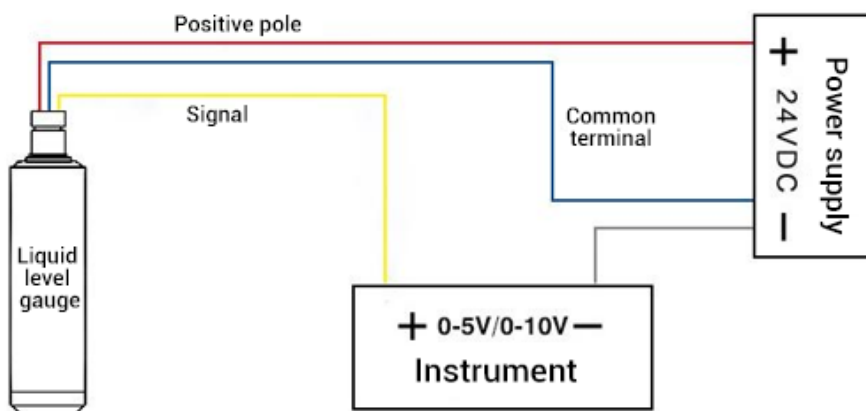
## Dimension



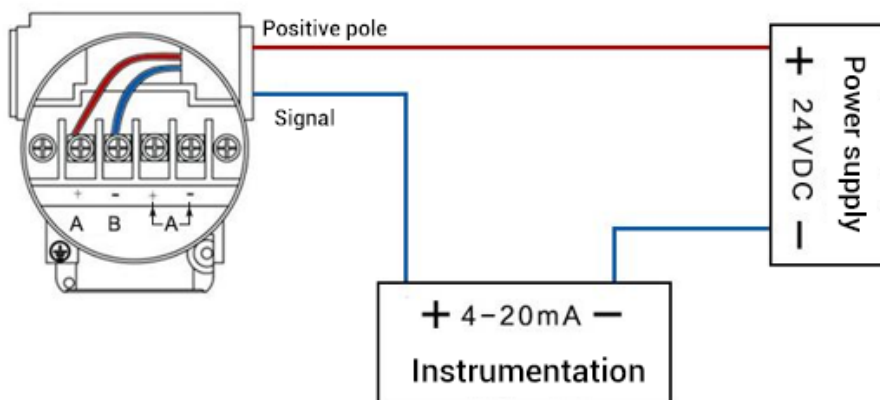
## ➤ Wiring Instructions



Integrated two-wire current wiring



Integrated three wire voltage wiring



Discrete two-wire current wiring