

# Product description

The WLS-5 Liquid-level transmitter is designed for diving level measurement. The sensitive element is the MEMS diffused silicon core. The entire product uses 316L stainless steel, can be applied to the measurement of any liquid level compatible with 316L. With excellent welding technology and a perfect assembly process, it is moisture-proof, anti-sweat, free of leakage troubles and IP68 certified.



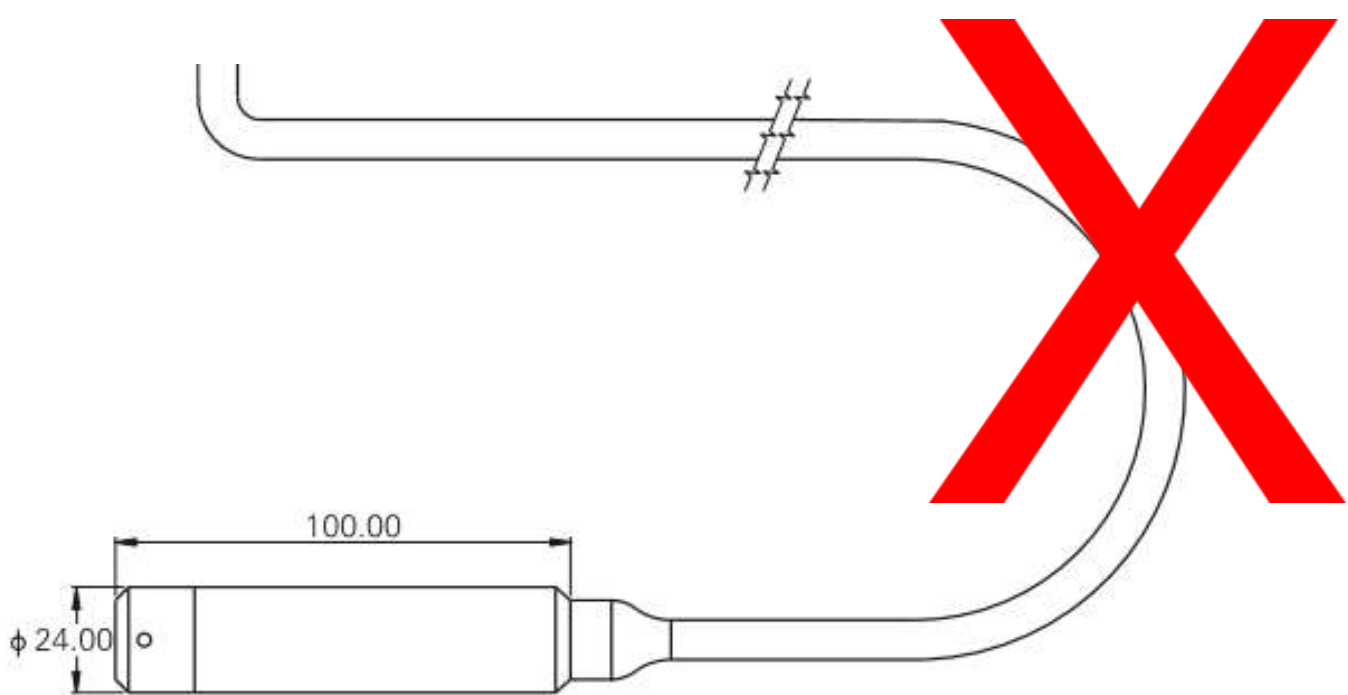
CAUTION: during installation, ensure that the metal tubing exiting from the WLS-5 cable is not obstructed.



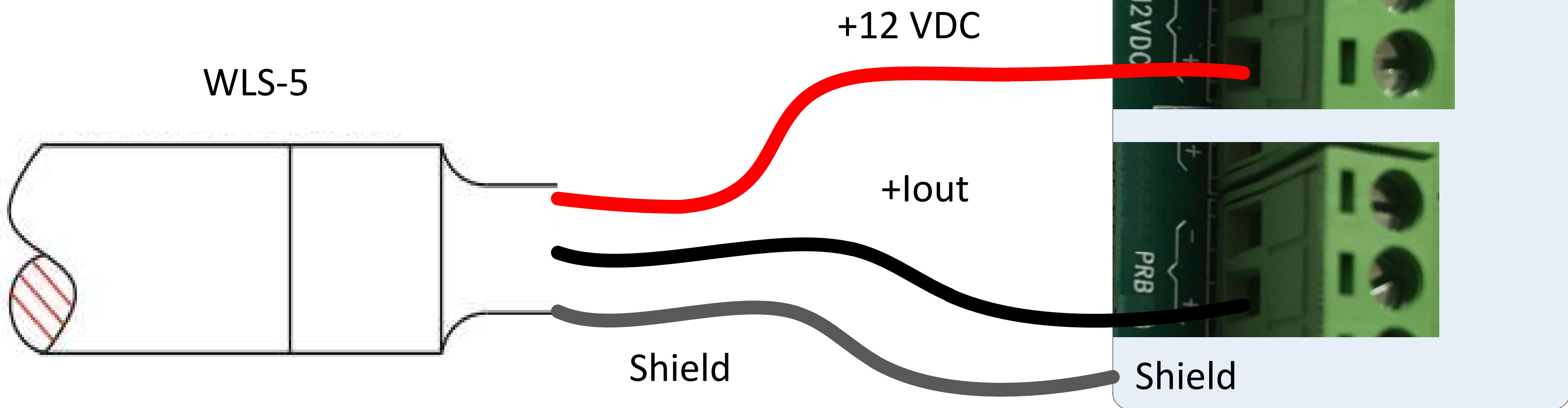
WARNING: while unpacking/installation, ensure the sensor is not damaged or dropped



WARNING: do not cut sensor's cable to adjust its length. This will prevent the sensor from functioning and void the warranty



## Wiring diagram



# Installation

## List of items to be installed

WLS-5 Water Level Sensor

## Tools needed

Soldering iron

## Supplies needed

None

## Installation steps

- Step 1: After unpacking, verify that the product is in good condition.
- Step 2: Connect WLS-5 wiring to appropriate 18AWG 2-wire cable in strict accordance with Wiring diagram, and ensure the product works in the allowed excitation range. Do not use over-voltage.
- Step 3: Refer to your controller's documentation for the steps necessary to connect the cable to your controller.
- Step 4: Submerge the sensor into the water tank to be monitored, ensuring that the sensor is free of obstacles and is protected from any possible impact. Ensure the sensor is at the very bottom of the water tank.

## Calibration

None required

# Specifications

## Signal Output

4-20 mA

## Signal Line Specification

2-Wire

## Supply Voltage

9-30 VDC

## Maximum measurement depth

16.4 ft (5 m)

## Accuracy

+/-1%FS

## Operating Temperature

14 to 185 °F (-10 to +85 °C)

## Compatibility

Various media compatible with 316L stainless steel

## Environmental Protection

IP68