

# Submersible Water Level Sensor

**Model: SWLS**



The Submersible Water Level measurement with Water Temperature sensor used to monitor the water level / temperature of Ground / Surface water, dams, lakes, pools, aquatic ponds. The sensing device is potted in a stainless-steel probe and coated with a sealant to withstand outdoor moisture. It is designed specifically to monitor water level/temperature. This sensor can be connected to data-logger, controller or to some display by means of electronic interface.

If the level/temperature gets too high or low, the controller can then take the appropriate programmed action. The level/temperature can also be displayed on the console, in PC Access etc.

One external Barometric Pressure sensor is required for Barometric pressure compensation. Comes with different ranges 10, 20, 50, 70, 100, 150, 200, 300 meters.

## Water Level:

- Sensor Type: Gauge / Absolute Pressure
- Settling time < 15 minutes after submersion
- Repeatability:  $\pm 0.05$  % Full Scale
- Accuracy:  $\pm 0.1$ % Full Scale
- Overload Pressure 2 times Full Scale
- Burst Pressure 4 times Full Scale
- Material: Stainless steel AISI 316L
- Input: 12-24 VDC
- Output: RS485
- Operating Environment: -40 to 70°C 0 to 100 % relative humidity

## Water Temperature (optional):

- Range 0°C to 50°C
- Resolution 0.1°C

## Dimensions:


- 26 mm / 19 mm OD
- 125 cm height

**Standard Cable lengths:** 10, 20, 50, 70, 100, 150, 200, 300 meters

## Applications:

Determining the water level / temperature of Ground / Surface water, dams, lakes, pools, aquatic ponds

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Represented by:

**\*\* Drawing & specifications are subjected to change at any time without prior notice as per manufacturing suitability.**