



## OTT PLS Pressure Level Sensor, 0 - 10 m, 4 - 20 mA

**Product #:** 63.037.001.90B1

**USD Price:** Contact Hach

The OTT PLS measures water level, depth to water, or pressure by means of an integrated controller and ceramic pressure-measuring cell. Design features such as multiple communication outputs (SDI-12 or 4-20 mA), stainless steel housing, and a rugged cable make this sensor ideal for monitoring water level in a variety of applications.

### Ceramic pressure cell

The robust ceramic pressure cell offers industry-leading accuracy and does not deform over time like membrane technology, providing long-term measurement stability.

### Rugged design

Ceramic pressure cell resistant to physical force (5 x burst pressure) and enclosure made of high-quality saltwater resistant steel for use in coastal environments.

### Auto compensation

Built-in microcontroller – compensates for temperature effects and applies correction values for gravitational acceleration and water density.

### Vented pressure probe

Vented pressure probe, automatically compensates for changes in barometric pressure.

### Simple setup

Simple setup and connection to external dataloggers using SDI-12 or 4-20 mA interfaces.

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## Specifications

*Parameters Measured:	Water Level
Body material:	Stainless steel 1.4539 (904L) resistant to sea water
Calibrated Range:	+41 - +113 °F (+5 - +45 °C)
Interface:	4 - 20 mA
Level Accuracy:	±0.1 % FS (linearity and hysteresis); 10 ppm/°C at 20 °C
Measuring Range:	0 - 33 ft (0 - 10 m)
Operating Temperature Range:	+23 - +113 °F (-5 - +45 °C) (ice-free)
Power Consumption:	Sleep: <600 µA Active: <3.6 mA
Power Supply:	9.6 - 28 V DC, typically 12/24 V DC
Protection Class:	IP 68
Standard storage temperature:	-40 - +185 °F (-40 - +85 °C)
Temperature Accuracy:	±0.9 °F (±0.5 °C)

Temperature Range: -13 - +158 °F (-25 - 70 °C) (ice-free)

Temperature Resolution: 0.01 °F (0.01 °C)