

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

Product #:	**63.037.001.90B0**
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.

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 - 13 ft (0 - 4 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)