

OTT PLS-C Pressure Level Sensor, Conductivity, 0 - 20 m, RS-485

Product #: **63.038.001.9042**

USD Price: Contact Hach

The OTT PLS-C measures water conductivity, level, and temperature in both surface and groundwater applications with a robust ceramic pressure cell and 4-electrode conductivity cell. Its extremely low power consumption makes it ideal for long-term deployment, particularly at solar powered measuring stations for ground-and surface waters.

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 (4 x burst pressure) and enclosure made of high-quality saltwater resistant steel for use in coastal environments.

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

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

Simple setup
Simple setup and connection to external dataloggers using SDI-12.

Specifications

*Parameters Measured:	Water level
	Pressure
	Temperature
	Conductivity
Accuracy:	Water Level: ±0.05 % FS (linearity and hysteresis)
	Temperature: ±0.2 °F (±0.1 °C)
	Conductivity 5 - 2000 µS/cm: ±1 µS/cm or ± 0.5 % of measured value (whichever is higher)
	Conductivity 0.1 - 100 mS/cm: ± 0.01 mS/cm or ±1.5 % of measured value (whichever is higher)
Body material:	Stainless steel 1.4539 (904L) resistant to sea water
Calibrated Range:	+41 - +113 °F (+5 - +45 °C)
Interface:	RS485 (via SDI-12 protocol)

Measuring Range:	0 - 66 ft (0 - 20 m)
Power Consumption:	Sleep: ≤ 30 µA
	Active: ≤ 32 mA
Power Supply:	6 - 27 V DC, typically 12/24 V DC
Protection Class:	IP 68
Resolution:	0.01 ft; 0.001 psi (0.001 m; 0.1 cm; 0.1 mbar)
Standard storage temperature:	-40 - +185 °F (-40 - +85 °C)
Temperature Compensation:	+23 - +113 °F (-5 - +45 °C) (ice-free)
Temperature Range:	-13 - +158 °F (-25 - 70 °C) (ice-free)
Temperature Resolution:	0.01 °F (0.01 °C)