

# OTT PLS-C Pressure Level Sensor, Conductivity, 0 - 10 m, RS-485

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| **Product #:** | **63.038.001.9041** |
| 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.

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## Specifications

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| *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) |

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| Measuring Range: | 0 - 33 ft (0 - 10 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) |