



Robust ceramic pressure transducer for water level measurement

- Application Eaux de surface, Débitmétrie
- Measurement range Vented pressure cell
- Parameters measured Water level, Pressure, Temperature
- Product Highlights Water level and temperature measurement - for use with external data logger
- Rango de medición
 0 ... 4, 10, 20, 40, and 100 m
- Accuracy ± 0.05% FS
- Internal data logger
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- Interface SDI-12, RS-485 (using SDI-12), or 4 ... 20 mA

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.

Measurement range 0 4 m, 10 m, 20 m, 40 m, 100 m Accuracy SDI-12 ±0.05 % FS (linearity and hysteresis) 4 20 mA ±0.1% FS (linearity and hysteresis) 10 ppm/C at 20 °C Resolution (SDI-12) 0.001 m; 0.1 cm; 0.01 ft; 0.1 mbar; 0.001 psi Temperature compensated -5 °C +45 °C (ice-free) working range -5 °C +45 °C (ice-free) Resolution 0.1 °C / 0.1 °F Accuracy ±0.5 °C / ±0.9 °F Electrical data A 20 mA, SDI-12, R5485 (via SDI-12 protocol) required) ±9.6 +28 V DC, typically 12/24 V DC Power consumption (SDI-12) Sleep Sleep <600 µA Active <3.6 mA Pressure sensor (capacitive pressure sensor) ceramic, temperature compensated, overload safe for up to 5 times the measuring range without permanent mechanical domage Temperature sensor NTC Dimensions 195 mm x 22 mm Weight approx.0 3 kg Environmental conditions Operating temperature Operating temperature [I-45 +70 °C Storage temperature II-40 +85 °C Materials Housing </th <th>Water level measurement</th> <th></th>	Water level measurement	
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²⁻³ We reserve the right to make technical changes and improvements without ZONEN ZLufft SUTRON OTT ADCON TOTOLS METEOSTAR notice. V-30/08/2025

Technical Data

OTT PLS - Pressure Level Sensor



EMC limits

CE conformity; EN 61000-4-2/3/4/5/6 and EN 61000-6-3 Class B are adhered to