

Plugsensor

Oxigênio Dissolvido



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The **Plugsensor Oxigênio Dissolvido** measures the concentration of oxygen in water in real time, with a range of 0 to 20 mg/L, a resolution of 0.01 mg/L, and an accuracy of $\pm 0.5\%$ FS. Using the optical fluorescence principle and featuring IP68 protection, it ensures field reliability. Designed for environmental monitoring and water resource management, it provides essential data for assessing water quality and supporting the preservation of aquatic life.



DS112501EN

Technical Specifications

Parameter	Description
Output Interface	RS485 / Modbus-RTU
Power Supply	12 VDC
Power Consumption	<0.2 W
Measurement	Range: 0 - 20 mg/L
	Resolution: 0.01 mg/L
	Accuracy: ± 0.5 % FS
Pressure Resistance	0.3 MPa
Measurement Principle	Fluorescence and high performance through oxygen membrane
Operating Temperature	0 to +50° C
Range Selection	Automatic
Dimensions	$\Phi 16 \times 125$ mm
Material	General: 316L
	For seawater: ABS (typical), titanium alloy (optional)
Protection	IP68
Storage	10 to 60° C / 20% to 90% (Relative Humidity)
Cable Length	5 m (standard)

Sensor available only for integration with Plugstation from model WS22 and above.

