

WITROX

Wireless fiber optic oxygen sensing devices for real-time oxygen and temperature measurements via Bluetooth



FLOW THROUGH



SENSOR SPOTS



DIPPING PROBE



Loligo® Systems



APPLICATIONS

- Aquatic respirometry
- Environmental monitoring & control
- Aquaculture research
- Marine biology

**OPTIONAL
SOFTWARE AND
HARDWARE FOR
WATER QUALITY
CONTROL**

HIGHLIGHTS

- Multiple instruments connect to a single PC (via Bluetooth)
- Includes PT1000 temperature sensor +/- 0.15 °C
- Choose any O₂ unit (% , kPa, Torr, mg/L, mmol, ml/L)
- Several different sensors (optodes) available
- Made for marine environments
- Excellent stability for long-term measurements
- Minimum footprint
- Real-time compensation for temperature, salinity and pressure
- No O₂ self-consumption, no cross-sensitivity, no service required

FIBER OPTIC SENSING	SPECIFICATION
Oxygen channels	4
Power adapter	100-240 VAC 50 / 60 Hz in
Power adapter	5 VDC out
Communication interface	Bluetooth 2.0
Dimensions	190 x 135 x 60 mm
Weight	1250 g
Oxygen unit	% oxygen saturation, % air saturation, kPa, Torr, mg/L, mmol or mL/L
Measurement range	0-475 % air saturation
Resolution	± 0.475 % air saturation
Precision	± 0.5 % air saturation
Drift	< 0.15 % air saturation within 30 days (sample interval 1 min.)
Response time	< 30 sec.