

# OPTICAL OXYGEN SENSOR - AIR / WATER - TEMPERATURE / PRESSURE

Reference : PS-2196



**No calibration**  
**No maintenance**  
**Robust**  
**For all the PW of the program**

This new optical sensor with luminescence sensor is a great replacement for the traditional Clark probe.

- No more calibration
  - No more polarization time
  - No more membrane or electrolyte to replace
  - No more maintenance (cleaning the electrode)
  - Automatic temperature and pressure compensation
  - No more stirring needed
- In addition to oxygen concentration values in% or in mg / L, the probe also allows the measurement of the temperature of the medium and the pressure.

This sensor is ideally suited for the study of yeast respiration, aquatic or aerial photosynthesis, animal respiration or human respiration.

Technical characteristics:

- Cable length: 3 m
- Response time: 90% in 25 seconds
- Temperature range: 0-50° C
- Pressure range: 375-825 mmHg
- Measurement range: 0-20mg / L or 0-300% saturation
- Precision:  $\pm 0.1\text{mg / L}$  or  $\pm 1\%$