



OXYPro®

Ideal for Monitoring Industrial Processes

Dear Dr. Max Mustermann

Let us introduce to you today the OXYPro - a new, innovative technology for measuring oxygen. It is a precise OEM solution ideally suited for customized industrial application, e. g. in the beverage industry. It needs no polarization time, can easily be integrated due to a standard PG 13.5 thread, and the temperature compensation of the oxygen measurement is realized with an integrated temperature sensor. This probe has a black food contact layer compliant with Art. 3, EU Framework Regulation 1935/2004 and 21 CFR § 170.39 (2). More information and an application example can be found below.

You are interested to discuss your possible application of the OXYPro with us - then just [drop us a line!](#)

Your PreSens Team

Yeast Propagation at Brewery Scale

Oxygen measurements in the gas and liquid phase with OXYPro® WR



During propagation of the bottom-fermenting yeast strain *Saccaromyces pastorianus spp. calshbergensis* in a 340 hl tank, oxygen was measured both in the liquid and in the gas phase with the oxygen probe OXYPro® to monitor and control the aeration rate. The values measured with OXYPro® were compared with measurements of a reference probe. While the measurements in the circulation line showed a difference of ± 0.1 mg/L on average between OXYPro® and the reference probe, the measured values of both probes in the exhaust air were almost identical.

[>> Read the entire application note](#)

Product Information on the OXYPro Series

This oxygen probe is directly connected to a control unit and is perfectly suited to stand harsh measurement conditions. The OXYPro® is offered in various length and has a removable sensor cap that can easily be exchanged. The integration at measurement site is simply done with a PG 13.5 fitting. The OXYPro® has a VP8 connector and PreSens offers fitting adapter cables for connection to the controller. It needs only little power and communicates digitally via RS485 (PreSens proprietary or Modbus RTU) or via analog output (4 - 20 mA). It is waterproof and can be immersed completely into liquid.

Choose the probe that matches **your measurement range**:

- OXYPro® WR with optical oxygen sensor type PSt7 (max. 0 - 100 % O₂)
- OXYPro® MR with optical oxygen sensor type PSt8 (max. 0 - 20.9 % O₂)
- OXYPro® TR with optical oxygen sensor type PSt6 (max. 0 - 10 % O₂)
- OXYPro® UT with optical oxygen sensor type PSt9 (max. 0 - 200 ppmv O₂)



>> To give you a better idea of the OXYPro®, have a look at our videos:

- [OXYPro® Calibration with USB-QR Code Scanner](#)
- [Re-Calibrate an OXYPro® Oxygen Probe](#)

You would like to learn even more about PreSens Precision Sensing? Please visit our homepage www.presens.de and do not hesitate to contact us. Any feedback is appreciated.

With kind regards

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