**Submerge dissolved Oxygen for MP, UMCG**100 mm Hg at 4°C makes 8.3 mg/L (At 4°C: mmHg/12.07 = mg/L) (At 4°C: ±0.1 mg/L is a ±2.5% accuracy)  
100 mm Hg at 37°C makes 4.5 mg/L (At 37°C: mmHg/22.17 = mg/L) (At 37%: ±0.1 mg/L is a ±1.2% accuracy)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Range** | **Accuracy** | **Resolution** | **Response** | **On-line** | **Comm.** | **Comment** | **Cost** |
| [Ebora](https://ebora.nl/2610-optische-zuurstofsensor.html)  [GF 2610](https://ebora.nl/2610-optische-zuurstofsensor.html) | 0-20 mg/L | ±0.1 mg/L, 0 to 8 mg/L,  ±0.2 mg/L, 8 to 20 mg/L | 0.01 mg/L | 90%: 30 sec  95%: 37 sec | inline  submerge | Current  Modbus RS485 |  | €3,850 |
| [Vernier](https://www.vernier.com/products/sensors/dissolved-oxygen-probes/odo-bta/" \l "requirements)  [ODO-BTA](https://www.vernier.com/products/sensors/dissolved-oxygen-probes/odo-bta/" \l "requirements) | 0-20 mg/L | ±0.2 mg/L <10 mg/L  ±0.4 mg/L >10 mg/L | 0.006 mg/L | < 90 sec 90% | Submerge | Voltage  Digital | Has a wireless version. “Vernier products are designed for educational use.” | $407 |
| [Sensorex](https://sensorex.com/product/lumin-s-optical-do-sensor/) | 0-20 mg/L | ± 0.1 mg/L | ? | <60 sec 90% | Inline  Submerge | RS485 | Measurement interval > 5s. | $1000 |
| [Mettler Toledo](https://www.mt.com/nz/en/home/products/Process-Analytics/DO-CO2-ozone-sensor/dissolved-oxygen-meter/optical-dissolved-oxygen-sensor/optical-inpro-6860i.html)  [6860i](https://www.mt.com/nz/en/home/products/Process-Analytics/DO-CO2-ozone-sensor/dissolved-oxygen-meter/optical-dissolved-oxygen-sensor/optical-inpro-6860i.html) | 8ppb - saturation  0.008 -  At 4°C: 13.1 mg/L  At 37°C: 6.7 mg/L | ± 1% + 8ppb  At 4°C:  ±0.14 mg/L  At 37°C:  ±0.067 mg/L | ? | <70 sec | Submerge | Current | Marketed towards breweries and fermentation. | €1750 on ebay  QP |
| [Lianer](https://www.aliexpress.com/item/Online-Digital-Dissolved-Oxygen-Sensor-electrode-DO-probe-Analog-Voltage-4-20mA-RS-485-MODBUS-RTU/32855250928.html?spm=2114.search0104.3.1.5eee7b826eIUkr&ws_ab_test=searchweb0_0,searchweb201602_3_10065_10068_319_317_10696_10084_453_10924_454_10083_10618_10920_10921_10304_10307_10922_10820_10301_10821_537_536_10843_10059_10884_10887_100031_321_322_10103,searchweb201603_51,ppcSwitch_0&algo_expid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4-0&algo_pvid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4)  [DOS-600](https://www.aliexpress.com/item/Online-Digital-Dissolved-Oxygen-Sensor-electrode-DO-probe-Analog-Voltage-4-20mA-RS-485-MODBUS-RTU/32855250928.html?spm=2114.search0104.3.1.5eee7b826eIUkr&ws_ab_test=searchweb0_0,searchweb201602_3_10065_10068_319_317_10696_10084_453_10924_454_10083_10618_10920_10921_10304_10307_10922_10820_10301_10821_537_536_10843_10059_10884_10887_100031_321_322_10103,searchweb201603_51,ppcSwitch_0&algo_expid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4-0&algo_pvid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4) | 0-20 mg/L | ±1% (<0.2 mg/L) | 0.01 mg/L | ? | Online  Submerge | Voltage  Current  485Modbus  More | Aliexpress | $590.00 |
| [MIRONG](https://www.aliexpress.com/item/Online-dissolved-oxygen-electrode-dissolved-oxygen-instrument-aquaculture-dissolved-oxygen-sensor-dissolved-oxygen-probe/32942860981.html?spm=2114.search0104.3.15.5eee7b826eIUkr&ws_ab_test=searchweb0_0,searchweb201602_3_10065_10068_319_317_10696_10084_453_10924_454_10083_10618_10920_10921_10304_10307_10922_10820_10301_10821_537_536_10843_10059_10884_10887_100031_321_322_10103,searchweb201603_51,ppcSwitch_0&algo_expid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4-2&algo_pvid=a9e42d68-d5ab-4ec2-a54a-7f106fa549f4) | 0-20 mg/L | <±0.1 mg/L | ? | < 20 sec | Online  Submerge | OEM targeted | Aliexpress | $298.00 |
| [Aztec](https://new.abb.com/products/measurement-products/analytical/continuous-liquid-analyzers/dissolved-oxygen/ads430)  [ADS430](https://new.abb.com/products/measurement-products/analytical/continuous-liquid-analyzers/dissolved-oxygen/ads430) | 0-50 mg/L | ±0.1 mg/L, 0 to 8 mg/L  ±0.2 mg/L, 8 to 20 mg/L  ±10 % of reading, 20-50 mg/l | 0.01 mg/L | <45 sec 90% <60 sec 95% | Submerge | No | Not OEM | €3,671 |