|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Range** | **Accuracy** | **Resolution** | **Response** | **On-line** | **Comm.** | **Comment** | **Cost** |
| [PreSens](https://www.presens.de/fileadmin/user_upload/brochures/180517_char_Presens_O2_Broschuere_01-18_dv2_web_2.pdf)  [EOM-O2-FOM FTC-PSt3](https://www.presens.de/fileadmin/user_upload/brochures/180517_char_Presens_O2_Broschuere_01-18_dv2_web_2.pdf) | 0-45 mg/L | ± 0.4 % O2 at 20.9 % O2  ± 0.05 % O2 at 0.2 % O2  4°C:  ±0.25 mg/L at 13 mg/L ±0.031 mg/L at 0.13 mg/L  37°C:  ±0.13 mg/L at 6.72 mg/L  ±0.016 mg/L at 0.064 mg/L | ± 0.004 mg/L at 0.091 mg/L  ± 0.045 mg/L at 9.1 mg/L | < 40 sec  (90%) | Yes | RS232  RS485  Current |  | €3,125  Excl. VAT Incl. shipping |
| [Pyroscience](https://www.pyro-science.com/)  Flow-Through | 0-23 mg/L  (max 45) | ±0.01 mg/L at 1% O2  ±0.1 mg/L at 20% O2  4°C:  ±0.01 mg/L at 0.62 mg/L  ±0.1 mg/L at 12.5 mg/L  37°C:  ±0.01 mg/L at 0.321 mg/L  ±0.1 mg/L at mg/L | At 1% O2 0.05  At 20% O2 ±0.25 | < 9 sec  (90%) | Yes | UART Analog | Multiple OEM targeted products. | Oem meter: €3,580  PT100 temp:  €2,350  Excl. USB:  €2,060  All excl. VAT  Incl. shipping |
| [OceanOptics](https://oceanoptics.com/product/neofox-kit-probe/)  [NEOFOX-KIT-PROBE](https://oceanoptics.com/product/neofox-kit-probe/) | 0-100% | [See link](https://oceanoptics.com/product/r-series-oxygen-sensor-probes/)  oceanoptics.com/product/r-series-oxygen-sensor-probes/ | [See link](https://oceanoptics.com/product/r-series-oxygen-sensor-probes/)  oceanoptics.com/product/r-series-oxygen-sensor-probes/ | ? | Yes, custom | Voltage  Current | “Probe kits are great for applications involving biological samples such as tissue and organic food matter, foods and beverages, and liquids in natural environments.” | €3,660 |
| [Terumo](http://www.terumo-cvs.com/products/ProductDetail.aspx?groupId=1&familyID=47&country=1)  [CDI 500](http://www.terumo-cvs.com/products/ProductDetail.aspx?groupId=1&familyID=47&country=1) | 20-500 mm Hg  (1.17-29 mg/L) | [>80 mm Hg SD = 17.6](http://www.terumo-cvs.com/doc/869407_Terumo-CDI500-Tech-Compendium_JAN2016_FINAL_readerSpreads.pdf)  [<80 mm Hg SD = 2.3](http://www.terumo-cvs.com/doc/869407_Terumo-CDI500-Tech-Compendium_JAN2016_FINAL_readerSpreads.pdf)  4°C:  (>6.6 mg/L SD = 1.46  <6.6 mg/L SD = 0.19)  37°C:  (>3.6 mg/L SD = 0.8  <3.6 mg/L SD = 0.10) | 1 mm HG  4°C: (0.083 mg/L)  37°C: (0.045 mg/L) | “Most measurements done in seconds” | In-line | RS232 | Clinically used.  “Measures pH, pCO2, pO2 and potassium” | >$10,000 QP  Potential research model |

**Flow-through 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)