

**OXYBEAM uses laser light for detecting oxygen concentrations in transparent packages without impairing it.**

**Non-destructive sample-testing to guarantee quality and productivity of production processes.**

### Benefits

- reliable oxygen sensing
- non-intrusive MAP testing
- also applicable for time studies on single packages
- simple to operate via touchscreen
- data transfer via USB port
- integration into networks by Ethernet connection
- low maintenance and robust
- easy calibration
- completely eye safe



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|--------------------------------------|--|
| <b>Type</b>                          | OXYBEAM  |
| <b>Gas</b>                           | O <sub>2</sub>   |
| <b>Measuring system</b>              | laser light absorption   |
| <b>Infrared laser</b>                | class 1 according to IEC 60825-1<br>760 nm wavelength<br>< 0.5 mW optical power  |
| <b>Measuring range</b>               | 0.1-100%   |
| <b>Measurement time</b>              | approx. 4 sec.   |
| <b>Resolution</b>                    | 0.1% absolute  |
| <b>Accuracy</b>                      | ± 0.1% absolute<br>depend on sample geometry and other factors   |
| <b>Startup time</b>                  | <1 min   |
| <b>Headspace thickness</b>           | 16 - 80 mm   |
| <b>Temperature (gas/environment)</b> | +5 °C to +40 °C (+41 °F to +104 °F)  |
| <b>Calibration</b>                   | every 12 months  |
| <b>Interfaces</b>                    | USB,<br>Ethernet   |
| <b>Housing</b>                       | steel sheet, powder coated   |
| <b>Weight</b>                        | approx. 7.8 kg   |
| <b>Dimensions (HxWxD)</b>            | 210 x 380 x 265 mm (8.27 x 14.96 x 10.43 inches)<br>(without connections)  |
| <b>Voltage</b>                       | 100-240 V, 50 W AC, 50 / 60 Hz   |
| <b>Approvals</b>                     | Company certified according to ISO 9001 and ISO 22000<br>CE-marked according to:<br>- EMC 2014/30/EU<br>- Low Voltage Directive 2014/35/EU |