

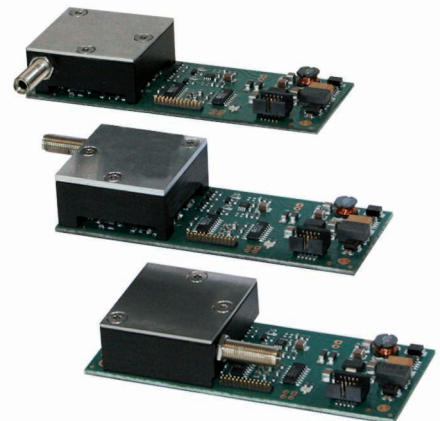
O₂

Electro-optical module EOM-02-mini

Non-invasive oxygen measurement
Fast integration w/ integration
package

- More than thousand systems in the field
- Experienced customer support
- Assembled according to ISO 9001:2000 and EN ISO 13485:2003 + 2007 AC

The electro-optical module EOM-02-mini is a precise OEM solution for non-invasive oxygen sensor spots. Assembled according to ISO 9001:2000 they deliver certified quality. In addition, validation and customization of the integrated software is offered. Our risk management compliant to the medical device manufacturing standard EN ISO13485:2003 + 2007 AC ensures high product safety. Self-contained test procedures of every individual system ensure high product safety. EOM boards are offered for sensor coatings type PSt3 (0 - 100 % oxygen) and trace oxygen sensor coating type PSt6 (detection limit 1ppb, 0 - 4.2 % oxygen).



PreSens
PRECISION SENSING

Specifications	EOM-0 ₂ -mini	EOM-t0 ₂ -mini
Oxygen sensors EOM-02-mini	PSt3 only (optical SMA connector)	PSt3 and PSt6 (optical SMA connector)
Phase resolution		0.05°
Sampling rate	0.5 s - 120 s (PSt6: 3 s - 120 s)	
Supply voltage	7 - 18 V	
Power consumption in active mode	1.5 W	
Power consumption in stand-by mode	0.6 W	
Temperature: operating / storage	0°C to 50°C / -10°C to 70°C	
Relative humidity	up to 85 % (non condensing)	
Dimensions (with add-on board)	40 mm x 100 mm x 22 mm (25 mm)	
Weight	70 g	
Digital interface	RS 232 interface (optional RS 485)	

Sensors & Accessories



Sensor spots O₂

Sensor spots are the most versatile version of non-invasive oxygen sensors.



Oxygen probe for in-line measurement

Compatible with most bioreactors or port adapters.



Oxygen probe integrated in Varivent valves

For in-line measurements in e. g. breweries.



Add-on temperature board

Expands the capabilities of EOM by the measurement of temperature.



Polymer Optical Fiber (POF)

They serve as a versatile connection from transmitter to sensor probe.



Non-invasive oxygen sensors

These sensors are used in bags and other single-use bioreactors

A wide variety of sensors is offered.
If your application is missing,
please contact us!

Technical data can change without prior notice.

Bring to light what's inside. Ask our experts:

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