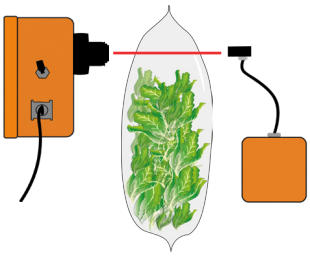
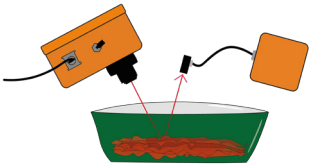
GASPOROX
LASER SENSOR PACKAGE SOLUTIONS





GasSpect™ O_2

Sensor for integration

The GasSpect O_2 sensor is a completely non-destructive and non-intrusive inspection sensor for headspace analysis of packages like trays, bags, pouches, bottles, whether transparent or non-transparent.

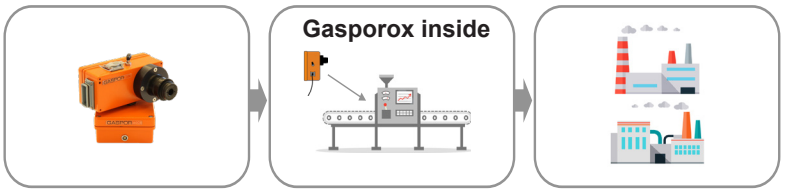
The GasSpect O_2 sensor can measure:

- **Residual oxygen < 1 %**
- **Low oxygen 1 - 2 %**
- **High oxygen > 60 %**

Technology

Gasporox sensors are based on Tunable Diode Laser Absorption Spectroscopy (TDLAS). Gasporox sensors are available for both HeadSpace Analysis (HSA) and Leak Detection (LD) and intended for integration into in-line inspection- or production lines for 100 % testing and quality control.

Gasporox concept



Gasporox sensors are delivered with Gasporox measurement concept meaning we work with you to ensure best performance, so the below specification is made general as the GasSpect O_2 sensor will be custom modified to perfectly fit your inspection- and production line.

Benefits

- Both low and high oxygen
- Non-intrusive and non-destructive
- Accurate
- Robust
- Easy to integrate
- Self calibrating
- 3 models available

General Sensor Specification

Gas:	O_2
Measurement range:	0.1 - 100 % O_2
Startup time:	< 1 min
IP Classification:	IP 65

Dimensions

Transmitter box (HxWxD):	180 mm x 85 mm x 68 mm, 1.3 kg
Reciever box (HxWxD):	127 mm x 125 mm x 90 mm, 1.0 kg

Electrical

Primary:	100 - 240 V, 50 W AC, 50 - 60 Hz
Secondary:	18 - 30 V DC

Communication interface

Modbus TCP, Current Loop 4 - 20 mA, Ethernet

Performance (depending on package line and sensor model)

Measurement time:	Down to 0.1 s
Accuracy:	± 0.1 %

Laser

Different output models:	**O_2 Mini**	**O_2 Medi**	**O_2 Maxi**
Wavelength:	760 nm	760 nm	760 nm
Transmission:	> 5 %	0.5 - 5 %	< 0.5 %
Output power:	< 0.5 mW	5 mW	15 mW
Laser class:	Class 1	Class 3B	Class 3B

GASPOROX AB
Maskinvägen 1, SE-227 30 Lund, Sweden
www.gasporox.se