

Product data sheet

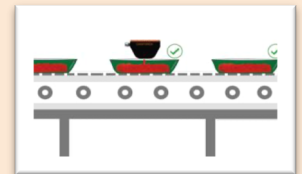
GasSpect O₂ Tray

Sensor for integration

The GasSpect O₂ tray sensor is a completely non-destructive and non-intrusive inspection sensor for analysis of oxygen content in tray packages whether transparent or non-transparent.

The GasSpect O₂ tray sensor can measure for example:

Fresh meat:	60-80% O ₂
Processed meat:	<0.5% O ₂
Ready meals:	<1% O ₂
Dairy - cheese:	<1% O ₂



Benefits

- O₂ concentration in trays
- Non-intrusive and non-destructive
- Accurate
- Robust
- Easy to integrate
- Self calibrating

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 O₂ tray sensor will be custom modified to perfectly fit your inspection- and production line.

General sensor specification

Gas:	O ₂
Measurement range:	0.1 - 100% O ₂
Startup time:	<1 min
IP Classification:	IP 67
Dimensions	
Transmitter box (HxWxD):	145 mm x 100 mm x 70 mm, 1.0 kg
Electronics box (HxWxD):	260 mm x 160 mm x 120 mm, 1.5 kg
Electrical	
Primary:	100 - 240 V, 50 W AC, 50 - 60 Hz
Secondary:	18-30VDC

Communication interface	
Modbus TCP/IP, RS485, Ethernet, Trigger input	

Performance (depending on package type and content)

Measurement time:	> 500 ms
Accuracy:	± 1%

Laser	
Wavelength:	760 nm
Transmission:	> 5%
Output power:	<10 mW
Laser class:	Class 1 laser product