

## GasSpect<sup>CO<sub>2</sub></sup>



### Sensor for integration

The GasSpect CO<sub>2</sub> sensor is a completely non-destructive and non-intrusive inspection sensor for headspace analysis of packages like trays, bags, pouches and bottles to name a few.

The GasSpect CO<sub>2</sub> sensor can measure:

- Low CO<sub>2</sub> concentration
- High CO<sub>2</sub> concentration

### 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 CO<sub>2</sub> sensor will be custom modified to perfectly fit into your packaging and production line.

### Benefits

- Measurement of low or high CO<sub>2</sub>
- Non-intrusive and non-destructive
- Accurate
- Robust
- Easy to integrate
- Self calibrating

### General Sensor Specification

Gas:	CO <sub>2</sub>	Communication interface	
Measurement range:	0.1 - 100 % CO <sub>2</sub>	Modbus TCP/IP, RS485, Ethernet, Trigger input	
Startup time:	< 1 min	Performance (depending on package)	
IP Classification:	IP 65	Measurement time:	Down to 0.1 s
Dimensions		Accuracy:	±0.1%
Transmitter box (HxWxD):	180 mm x 85 mm x 68 mm, 1.3 kg	Laser	
Receiver box (HxWxD):	127 mm x 125 mm x 90 mm, 1.0 kg	Wavelength:	1600 or 2000 nm
Electrical		Output power:	< 10 mW
Primary:	100 - 240 V, 50 W AC, 50 - 60 Hz		
Secondary:	18-30VDC		