

## GasSpect™ CO<sub>2</sub>



### 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:

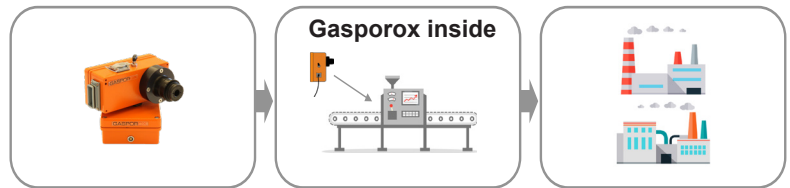
Low CO<sub>2</sub> concentration

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 your inspection- and production line.

### Benefits

- Measurement of low or high CO<sub>2</sub>
- Non-intrusive
- Accurate
- Robust

#### General Sensor Specification

Gas:	CO <sub>2</sub>
Measurement range:	0.1 - 100 % CO <sub>2</sub>
Startup time:	< 1 min
IP Classification:	IP 65

#### Dimensions

Transmitter box (HxWxD):	180 mm x 85 mm x 68 mm, 1.3 kg
Receiver 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/IP, RS485, Ethernet, Trigger input

#### Performance (depending on package)

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

#### Laser

Wavelength:	1600 or 2000 nm
Output power:	< 10 mW
Laser class:	Class 1 laser product