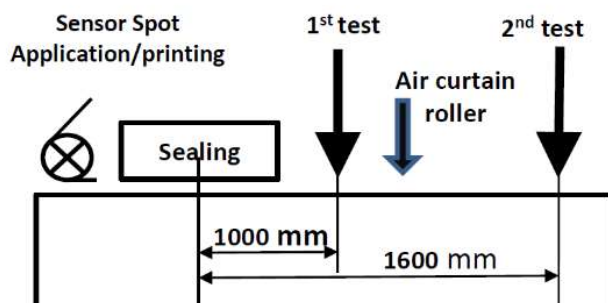


Ox100 – Online O₂ Sensor for MAP Packages

Oxygen & Leak Detection

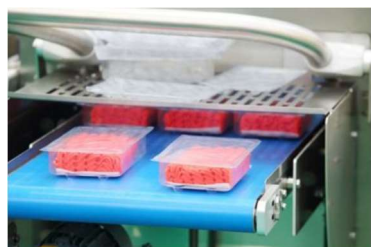
- Optical O₂ sensor system
- 100% online process control
- O₂-detection with sensor-spot in packages/containers
- None invasive, no gas extraction, repeatable (shelf-life test)
- Detection of 0,2 mm leaks
- Sensor-spots factory calibrated
- EU-food certificate / FDA certificate
- Minimized reject goods – saving of process and guarantee costs
- Simple calibration check



Application

- Food- and pharma industry / MAP-packages
- Biotechnology, certificated labors
- Conservation, electronic-components
- Insulation glass-industry

Technical Data



TS-System	Ox 100	
Measuring range	0-2%	
	Range	Accuracy
	0-0,2%	±2% Mv*
	0,2-0,5%	±3,0% Mv*
	0,5 – 2%	±4% Mv*
Resolution	0,01	
Response time at 25°C	10ms	
Temp. range Min./Max	5-40°C	
Medium	Gas	
Power supply	5V	
Data Interface	RS232	
Temperature compensation	4-40°C	
Pressure compensation	no	
Data Output	digital	
Cleaning	No organic solvents, 40% EtOH	
Connection	By arrangement	
Case	aluminum anodized	
Protection	IP65	
Delivery	costumer dependent	
Measuring frequency	1000Hz	
Guarantee	1 year ex works Grambach	

*Mv = measured value

Scope of delivery

- Ox100 Sensor for online determination of residual oxygen in MAP packages (see picture application: 1st test)
- Ox100 Sensor for Leak detection (see picture application: 2nd line)
- Sensor spots: Application by film manufacturer
- Optional: handheld device TecPen Dot for Quality control, Entrance control or reset sample measurements

System interface for Data archiving and pusher control