



OxySense 5250i



The Solution For Your Laboratory Oxygen Measurement Requirements

The OxySense 5250i is the O₂ analyzers instrument of choice for laboratories and individuals who need to test or evaluate packaging materials through a variety of studies. These studies include: non-invasive headspace analysis for packages, bottles and blister packs using the O₂xyDot[®] Sensor; package material and design evaluation; closure design and evaluation; MAP production start up monitoring; research and development; QC and assurance, as well as product oxidation studies.

For non-invasive measurements, oxygen concentration can be determined by placing the O₂xyDot Sensor in the package or container prior to filling and sealing. Multiple measurements can be provided over time on the same package offering accurate analysis through real time, real world measurements. Due to the measurement process used, the risk of sample contamination or leaks is eliminated.

This versatile instrument also has the capability to perform permeability analysis (OTR) on film, bottles and packages.

Applications

- Headspace analysis
- Dissolved O₂ analysis
- Shelf life studies
- O₂ scavenger evaluation and characterization
- Line start up evaluations
- Leak detection
- Anaerobic environment monitoring
- Permeability analysis (OTR) Film, Bottles and Packages





BENEFITS

- Use for non-invasive and invasive measurements in oil, water and air
- Conduct multiple shelf life measurements over time on the same package
- Low cost sensors
- Eliminates risk of sample contamination or leaks
- Improved accuracy through real time, real world measurements
- No pumps or electro chemical cells to maintain and replace
- No annual maintenance or factory calibration requirements

O₂xyDot® Sensors

The O₂xyDot is placed in the package/container prior to filling and sealing. At any time afterwards, the oxygen concentration can be determined through the power of non-invasive measurements.



Shelf Life Studies

The O₂xyDot is non-consuming (headspace gas is not altered by readings). Headspace gases can read day after day, even month after month, recording real world gas changes. Ideal for accurate shelf life studies.

FEATURES

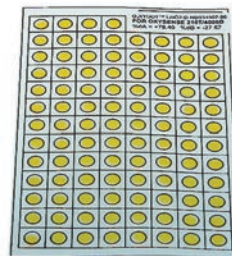
- Can perform OTR measurements on films and bottles*
- Measures both in gas and liquid
- Stand alone with built-in PC
- Real time graphical display
- Touch screen operation
- Automatic data logging
- SampleTracker bar code software for managing multiple tests and samples
- Integrated report writer with graph and log capability

*Requires film permeation chambers and bottle permeation fixtures (sold separately)



Dot in the Headspace

Dot in Product for DO₂



O₂xyDot Sensors

PERFORMANCE

	GAS	LIQUID
Operating Range	0-30%	0 to 100% Saturation
Lower Detection Limit	0.03%	15 ppb
Operating Temperature	0° - 50°C	
Operating Humidity	0 - 100%	
Response Time	1 second	
Accuracy	5% of the reading	
Enclosure Size	11.5" x 13" x 7" 29.21 x 33.02 x 17.78cm	
Power	100V - 240V (50/60 Hz)	

OxySense is the leading supplier of optical oxygen measurement systems to the packaging industries.

OxySense instruments can be found in the leading packaging labs around the world.

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