



OxyPerm Permeation OTR System



All-In-One Fully Scalable Permeation System for Films, Bottles and Packages.

The OxyPerm System offers accurate and timely oxygen transmission rate (OTR) testing for films, bottles and finished packages at a price well below that of dedicated permeation systems available in the market today.

This is the ideal solution when you want to begin or expand your oxygen permeation capabilities and capacity without breaking the budget. By bringing your OTR testing in-house; you control the cost, consistency, and calendar.

With the OxyPerm Permeation/OTR System, users are able to conduct an unlimited number of permeation tests, simultaneously, on films, bottles and finished packages. And with the emphasis on improvements in package cost and performance, this new resource can be the solution to your lab requirements!

OxyPerm System includes:

OxySense 5250i – Part # X-5250i (for Performance Spec see : OxySense 5250i brochure))

Permeation Chamber (optional)

BottlePerm Fixture (optional)

Permeation Gas Flow Meter

Applications

- OTR measurements of films and packages
- Package material and design evaluation
- Closure design and evaluation
- Quality control and assurance
- Research and development
- Competitive analysis
- Headspace and dissolved oxygen testing





FEATURES AND BENEFITS

- Real time data – graphs and logs
- Integrated report writer
- SampleTracker™ sample management software
- Easy to use, touch screen operation (on OxySense 5250i)
- No annual maintenance or calibration
- High performance/low cost

PERMEATION GAS FLOW METER



The Permeation Flow Meter is required. It is used to control the flow of gases into the OxySense Permeation Chamber. It is designed to enhance the accuracy of your OxySense Permeation System by insuring that the test film is not distorted during the flushing process.

Complies with ASTM F3136-15

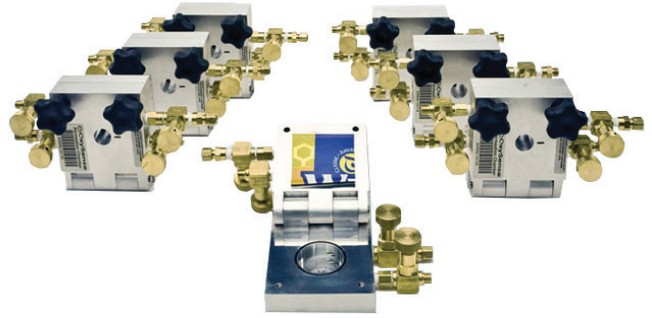
BOTTLEPERM FIXTURE



The BottlePerm Fixture is designed to facilitate the determination of the oxygen transmission rate (OTR) of a bottle by providing a platform on which to easily seal and then purge a bottle of all oxygen.

This fixture provides easy flushing and sealing on a large range of bottle neck sizes regardless of the thread size.

PERMEATION CHAMBERS



The OxySense Permeation Chamber, with the OxySense OTR software package allows you to use your OxySense instrument to perform flat film OTR studies and still have the instrument available for finished package OTR studies, head space analysis and dissolved oxygen studies.

Complies with ASTM standard F3136-15

The OxySense Permeation Chamber consists of two inner chambers (upper and lower) attached together by a permanent hinge. Each inner chamber has two gas valves (an inlet and an outlet) attached to them. There are two large thumb screws that are used to secure the Chamber halves for measurement. On the inside there is a black gasket surrounding the bottom inner chamber; and on the top inner chamber, a factory calibrated OxyPerm Dot.

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.

OxySense
An Industrial Physics Product Integrity Brand
 68 Barnum Road, Devens, MA 01434. USA
 Phone: (978) 772-0970
 Website: oxysense.com
 Email: PiSales@industrialphysics.com

