

# OX-TRAN<sup>®</sup>

## MODEL 2/22 SERIES



OX-TRAN Model 2/22  
OTR Instrument

### Faster Results with Less Labor

Companies around the world depend on MOCON permeation data to make decisions critical to product development and product quality. Generally, a significant number of labor hours are spent setting up tests or waiting for results, often creating a bottleneck in the laboratory.

The OX-TRAN 2/22 oxygen permeation instrument was designed specifically to improve throughput, increase your labs efficiency, and streamline your operations. Your operators will now spend less time setting up and monitoring permeation tests, allowing them to achieve more in less time.

A new user interface and increased automation makes testing easier than ever before with less skill required, reducing the costs associated with training new employees or transitioning responsibilities within your company. Starting a new test may be as simple as a single press of a button.

We've made remarkable breakthroughs in permeation technology that can shorten your test times by up to 50%. New technologies reducing instrument leak rates and increased sensor performance mean you can often avoid lengthy zero measurements and shorten exam cycles, giving you the ability to deliver results to your customers, internal and external, more quickly than ever before.

### More Throughput

- Elimination of individual zero
- Shorter exam cycles
- Confirm equilibrium sooner

### Increased Productivity

- Automatic sequential testing
- Save on labor hours with less in-test monitoring
- Remote access and control

### Easier to Use

- Fully automated testing
- Simplified sample preparation
- Touch screen interface

### Lower Cost of Ownership

- Longer sensor life
- Less moving parts and improved electronics
- Avoid costly repair of old instruments

# HIGHEST STANDARD IN AUTOMATED PERMEATION TECHNOLOGY

## Patented Coulox® Sensor

Using a patented coulometric sensor, the OX-TRAN family is the base for the ASTM standard D3985 and is the only instrument family proven to meet its precision and bias requirements through independent third party testing. The proprietary Coulox sensor is an intrinsic or absolute sensor which follows Faraday's law, therefore requiring no calibration. N.I.S.T. films are available to ensure your system is performing to the highest standards in precision and accuracy.

## Application Solutions

The OX-TRAN 2/22 is available with a wide variety of custom diffusion cells and accessories to support many unique applications. These components provide flexibility to test more sample types, including whole packages, at a wider range of test conditions, including up to 85°C. Ask your MOCON representative for a PermaAUDIT to help determine the best solution for you.

## Industry Standards:

- ASTM D3985 films
- ASTM F1927 films
- DIN 53380-3 films
- JIS 7126-B films
- ASTM F1307 packages
- ISO CD 15105-2

## Technical Specifications

	Test Ranges			Resolution	Repeatability
	cc/(m <sup>2</sup> • day)	cc/(100 in <sup>2</sup> • day)	cc/(pkg • day)	cc/(m <sup>2</sup> • day)	cc/(m <sup>2</sup> • day)
<b>Model 10X</b>					
Normal (50 cm <sup>2</sup> )	0.0005 to 200	0.00003 to 12.9	0.0000025 to 1.0	0.0002	0.0005 or 1%
Reduced Area (5cm <sup>2</sup> )	0.005 to 2,000	0.0003 to 129	N/A		
<b>Model L</b>					
Normal (50 cm <sup>2</sup> )	0.005 to 200	0.0003 to 12.9	0.000025 to 1.0	0.002	0.002 or 1%
Reduced Area (5cm <sup>2</sup> )	0.05 to 2,000	0.003 to 129	N/A		
<b>Model H</b>					
Normal (50 cm <sup>2</sup> )	0.05 to 200	0.003 to 12.9	0.00025 to 1.0	0.02	0.02 or 1%
Reduced Area (5cm <sup>2</sup> )	0.5 to 2,000	0.03 to 129	N/A		



## Test Conditions

<b>Test Temperature Range</b>	10°C to 40°C ± 0.2°C
<b>Controlled RH Testing Ranges</b>	Films – Carrier & Test Gas: 0% to 90% ±3% Packages – Ambient or Controlled by Chamber

All Models - 10X, L and H