

# OX-TRAN® Model 2/10

A Cost - Effective System for Oxygen Transmission Rate  
Testing of Flat Films and Finished Packages

The **OX-TRAN® Model 2/10** is the latest value system from MOCON utilizing a standard calibration-dependent, electrochemical (non-coulometric\*) oxygen sensor which reliably measures oxygen barrier in a range of 0.1 - 144,000 cc/m<sup>2</sup> - day at precise temperatures and relative humidities. \*For instruments with coulometric sensors visit [www.mocon.com](http://www.mocon.com)

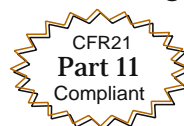
## Features

- Standard electrochemical (non-coulometric) oxygen sensor
- Utilizes N.I.S.T recommended two pressure method of relative humidity generation. In addition, relative humidity sensors are located at the film to verify **precise RH**
- Includes 2 NIST traceable calibration films (which are critical with calibration dependent sensors to assure accuracy of results)
- User friendly Windows® based software utilizing WinPerm™ and/or PermNet™
- Equipped with two 50 cm<sup>2</sup> cells
- Oxygen transmission rate sensor is flow and pressure compensated for improved accuracy
- Easily expandable up to 20 cells with one sensor for each two cells
- Instrument is ETL listed, conforms to UL Standard 61010-1 is certified to CSA 61010-1 and complies with CE Product Safety EN 61010-1



Over 40 Years of  
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Modular Design



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and Control Specialists

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# Technical Specifications on the OX-TRAN® Model 2/10

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## O<sub>2</sub>TR Test Range

Low Test Range: 0.1 cc/m<sup>2</sup> - day with 100% oxygen with carrier gas flow of 10cc/min

Upper Test Range: 144,000 cc/m<sup>2</sup> - day with 21% oxygen with carrier gas flow of 100cc/min

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## Sensor

Standard Calibration-Dependent Electrochemical Oxygen Sensor

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## Test Temperature Range

10 - 40 ° C Films and Packages (optional package environmental chamber available)

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## Precise RH Control (both sides of film)

Dry, 35 - 90%

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## Test Sample Sizes:

Films: 50 cm<sup>2</sup>

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## Flow

Carrier gas flow of 10 cc/min or 100cc/min

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## Resolution

0.01 cc/m<sup>2</sup> - day

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## Repeatability

± 0.05 cc/m<sup>2</sup> - day

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## ASTM

The OX-TRAN® Model 2/10 does not comply with ASTM Standard D-3985 (only permeation systems containing the MOCON Coulox® coulometric sensor comply with this standard like the OX-TRAN® Model 2/21, OX-TRAN® Model 2/61 and OX-TRAN® Model 702).

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