

OX-TRAN®

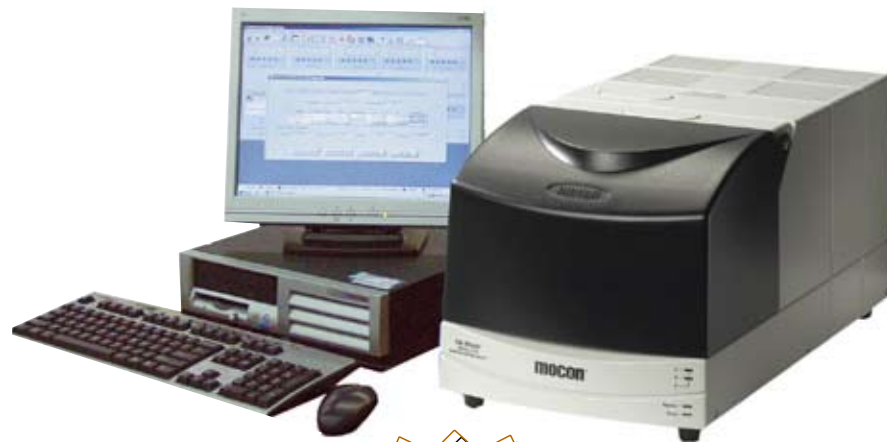
Model 2/10

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 using a standard calibration-dependent, electrochemical (non-coulometric*) oxygen sensor which reliably measures oxygen barrier in a range of 0.1 - 144,000 cc/m² - day at precise temperatures and relative humidities. *For instruments with coulometric sensors visit www.mocon.com

Features

- Standard electrochemical (non-coulometric) oxygen sensor
- Includes 2 N.I.S.T. traceable calibration films (which are critical with calibration dependent sensors to assure accuracy of results)
- 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**
- Oxygen transmission rate sensor is flow and pressure compensated for improved accuracy
- User friendly Windows® based software utilizing WinPerm™ and/or PermNet™
- Equipped with two 50 cm² cells
- 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



ASTM F-2622
and CFR21 Part 11
Compliant

mocon®

Over 40 Years of
Permeation Experience
Made in USA

Specifications for the OX-TRAN® Model 2/10

Technical

O₂ TR Test Range

Low Test Range: 0.1 cc/m² - day with 100% oxygen and carrier gas flow of 10cc/min

Upper Test Range: 144,000 cc/m² - day with 21% oxygen and carrier gas flow of 100cc/min

Sensor

Standard Calibration-Dependent Electrochemical Oxygen Sensor

Test Temperature Range

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

Precise RH Control (both sides of film)

Dry, 35 - 90%

Test Sample Sizes:

Films: 50 cm²

Flow

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

Resolution

0.01 cc/m² - day

Repeatability

± 0.05 cc/m² - day

ASTM

The **OX-TRAN® Model 2/10** complies with **ASTM F-2622**, but does not comply with ASTM 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).

Electrical

Voltages

100, 120, 220 or 240 VAC ± 10%

Frequencies

50/60 Hz



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