

OX-TRAN® Model 1/50

Oxygen Transmission Rate Test System



Features

Low cost – Uncompromised MOCON quality

Robust build provides dependability
Designed for a lifetime of daily use

Easy to install – Simple to use

Effortless installation by user
Practical built-in software minimizes user error
Advisory screen prompts operator input
Safety systems prevent sensor damage
No flow adjustment required
No calibration (absolute and coulometric)
Customize and store 99 test methods
'Quick Start' function speeds set-up time
System protects against over or under pressure
System protects against thermo runaway

Easy to read screens (4" x 6") (10cm x 15cm)

Four status screens display real-time information
Four intuitive configuration screens
Step-by-step calibration screens
Archivable, downloadable results

Horizontal test cell

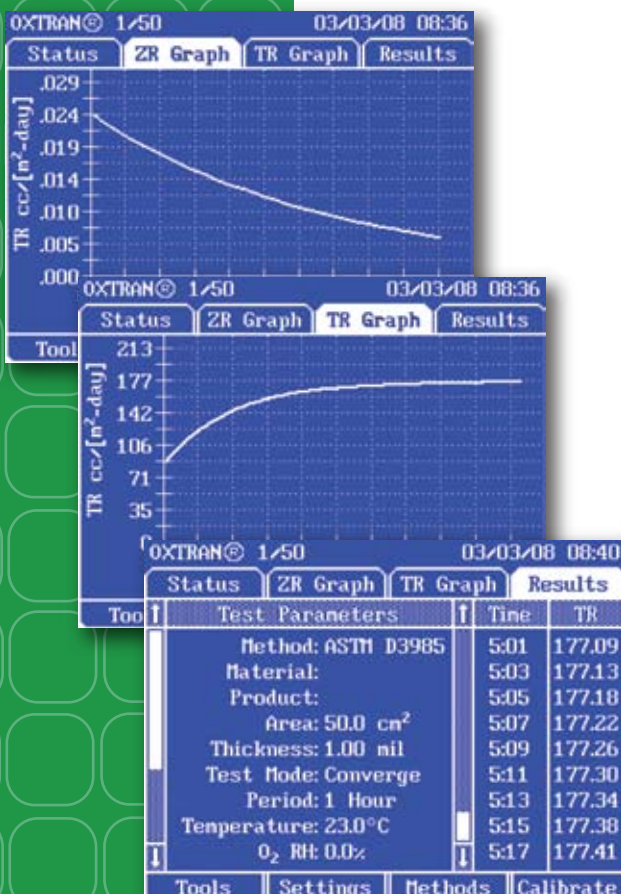
Convenient film mounting
Pneumatic clamp for consistent clamping force

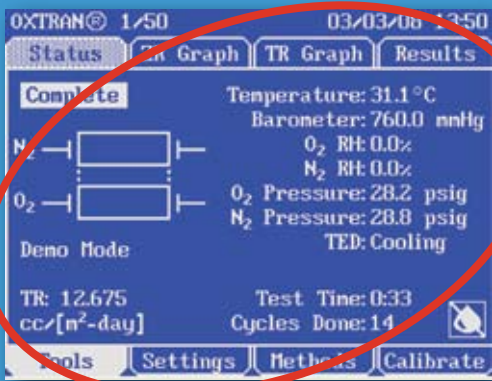
Stand alone - Small footprint (11.5" x 15") (29cm x 38cm)

Takes up less space than many computers

Frequency Modulated

Faster & automatic Relative Humidity controls
Generates the same RH on both sides of the film





Screen shot of easy to view Status screen shown 25% actual area size

- Other screens include:
- Zero Graph
 - TR Graph
 - Results
 - Tools
 - Settings
 - Methods
 - Calibrate



Technical Specifications

OX-TRAN® Model 1/50

Oxygen Transmission Rate

OTR Range 50cm ²	0.1-200 cc/m ² day
OTR Range 5cm ²	1.0-2000 cc/m ² day
OTR Repeatability (50cm ² , 37.8° C)	± 0.05 cc/m ² day absolute or ± 2% relative (whichever is greater)
Test Method	Coulometric (sensor in cell)
Film Area	50cm ²
RH (oxygen & carrier gas side)	Dry, 5 - 90% RH
RH Probe Accuracy	± 3%
Gas Requirement	99.9% Dry Nitrogen
Gas Pressure Range	30 - 35 psig
Temperature Range	10 - 40C

Memory

Product Memory Capacity	99 methods
Result Storage	Current test and last result after test

Compliance

CE/CSA/UL Listed

Barometer

Automatic Pressure Correction 0-1000mmHg

Cell Clamping

Pneumatic

Visit Us On The Web:
www.mocon.com

MOCON Commitment

The new system is another example of MOCON's 40 year commitment to innovation and quality in the design of permeation testing systems for barrier material assessment.

MOCON and OX-TRAN are registered trademarks, and PermNet and WinPerm are trademarks of MOCON. Copyright © 2008 MOCON, Inc.

MOCON reserves the right to change specifications without notice as part of our continuous program of product improvement.

mocon®

7500 Boone Ave. N
Minneapolis, MN 55428

P: 763.493.6370

F: 763.493.6358



Tel.: (+34) 902 450 160
Fax: (+34) 902 433 088
ermec@ermec.net
www.ermec.net