

# 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

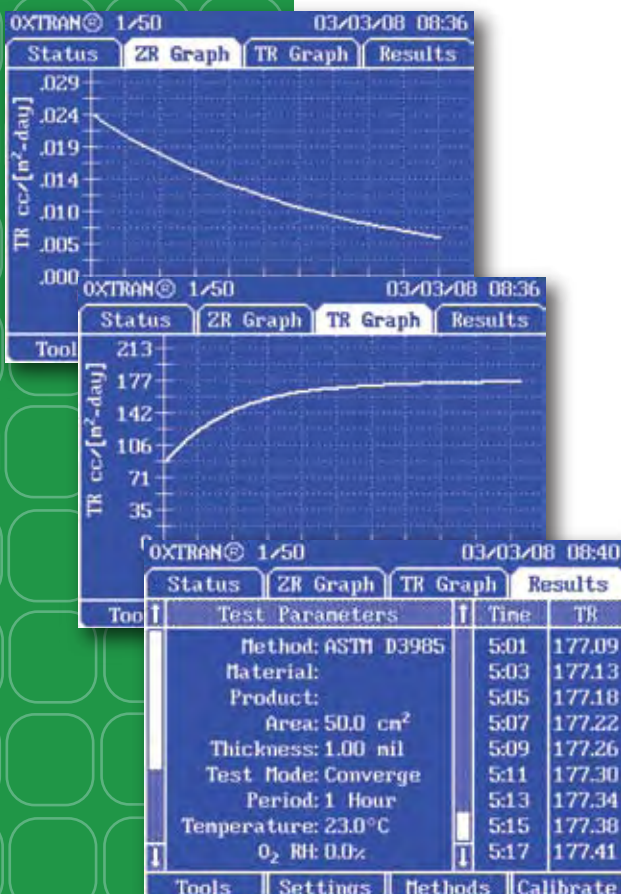
Convenient film mounting  
Pneumatic clamp for consistent clamping force

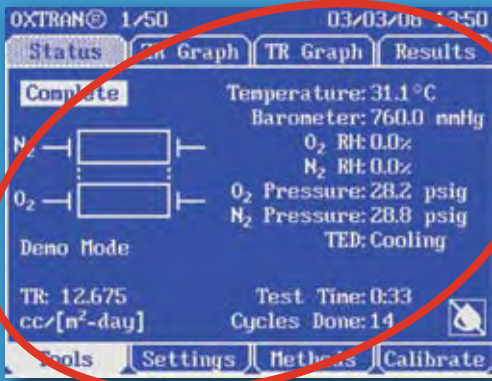
#### Stand alone - Small footprint (11.5" x 15") (29cm x 38cm)

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 <sup>2</sup>                     | 0.1-200 cc/m <sup>2</sup> day   |
| OTR Range 5cm <sup>2</sup>                      | 1.0-2000 cc/m <sup>2</sup> day  |
| OTR Repeatability (50cm <sup>2</sup> , 37.8° C) | ± 0.05 cc/m <sup>2</sup> day absolute or ± 2% relative (whichever is greater) |
| Test Method                                     | Coulometric (sensor in cell)  |
| Film Area                                       | 50cm <sup>2</sup>   |
| 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

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### 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.

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