

PERMATRAN - W[®] Model 1/50

Water Vapor 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
Set and go automatic RH controls
Customize and store 99 test methods
'Quick Start' function speeds set-up time
System protects against over or under pressure
System protects against thermo run away

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
Archiveable, downloadable results

Horizontal test cell

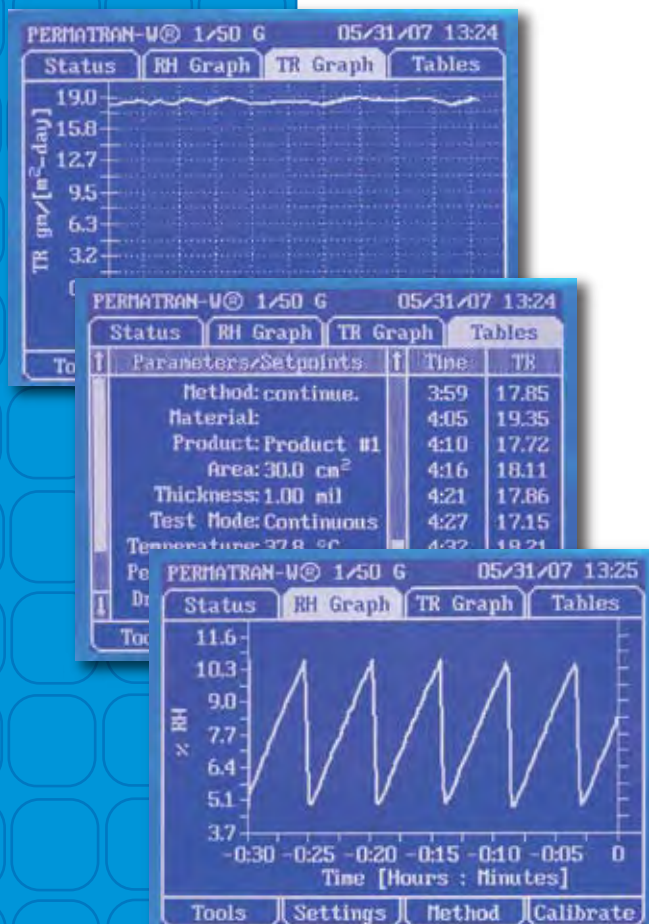
Convenient film mounting
Pneumatic clamp for constant clamping force

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

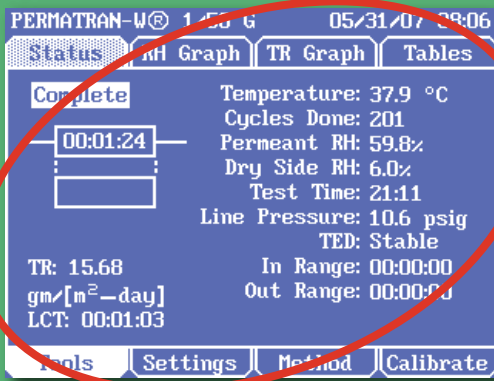
Takes up less space than many computers

ASTM/TAPPI Compliance

ASTM E398
TAPPI 523



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

Other screens include:
 RH Graph
 TR Graph
 Data Tables
 Tools
 Settings
 Method
 Calibrate



Technical Specifications

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Water Vapor Transmission Rate

WVTR Range (50cm ² , 37.8° C)	0.1-100gm/m ² day
WVTR Range (5cm ² , 37.8° C)	1.0-1000gm/m ² day
WVTR Repeatability	± 0.05gm/m ² day absolute or ± 2% relative
Test Method	Accumulation
Film Area	50cm ²
Dry Side RH Probe Range	5-50% RH on Carrier
Test Gas RH	100% RH and 35-90% RH
Driving Force Gradient Range	30-90% RH
Temperature Range	10-40C
Gas Requirement	Dry Air or Nitrogen

Memory

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

Compliance

CE/CSA/TUV	
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Barometer

600 - 800 mmHg

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