

OX-TRAN® 2/40 oxygen permeation analyzer

The OX-TRAN 2/40 Series of Oxygen Permeation Analyzers from AMETEK MOCON® is the first permeation instrument series custom-designed to test whole packages. The OX-TRAN 2/40 integrates a large environmental chamber with Oxygen Transmission Rate (OTR) testing into one instrument to ensure precise test gas conditions and accommodations for a wide variety of packages and containers. Using unique and innovative MOCON® test cartridges, the OX-TRAN 2/40 is a complete, all-in-one package OTR testing system.



The precisely controlled environmental chamber eliminates the need for cumbersome setup of independent test gas environments and ensures accurate test results for real-world conditions. The new controlled chamber instrument has four independent test cells allowing multiple analyses to be run at the same time, while the easy to use package test cartridges make mounting and testing of packages simple and repeatable.

The simple user interface with automated controls makes testing easy with little training. In certain applications, starting a new test may be as simple as a single press of a button. Your operators can now pre-program a variety of tests at different conditions and run them sequentially without operator intervention, resulting in less instrument idle time.

Using a patented coulometric sensor, the OX-TRAN provides the most precise and repeatable oxygen permeation data available on the market today. It is the basis for the ASTM standard D3985, requires no calibration, and is the only sensor proven to meet its precision and bias requirements through independent third-party testing

Accessories

- PermWare® software is available to collect and manage test data
- A variety of cartridge designs are available to allow repeatable and accurate testing across a wide range of sample types.
- Custom engineered cartridges can be designed to fit new or challenging sample types

Dimensions & Weight

Interior Dimensions & Volume

Depth: 12" or 30.5 cm
Width: 25.5" or 64.8 cm
Height: 17" or 43.2 cm
Volume: 3 cubic ft or 85 litres

Exterior Dimensions

Depth: 23.2" or 58.9 cm
Width: 33" or 83.8 cm
Height: 35" or 88.9 cm
Weight: 225 lb. or 102Kg

Connectivity

- Ethernet Port
- 2 USB Ports
- PermNet™ Lite remote access software option

Industry Standards

ASTM D3985 (limited to ambient O₂), JIS K7126-2, ASTM F1927 (with RH), DIN 53380-3, ASTM F2622, ASTM F1307, ISO 15105-2

Test Conditions Test

Temperature Range: 10°C to 50°C ± 0.5°C
Chamber RH Testing Ranges: 5% to 90% ± 5%
Carrier Gas RH Testing Ranges: 0% to 90% ± 4%

Conformance Standards

CE, UL, CSA Safety Compliance



UK & INTERNATIONAL

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