

## **OX-TRAN® 2/28** **Oxygen permeation** **analyzer**

The OX-TRAN® 2/28 Series of permeation analyzers is designed for laboratories that routinely perform a high quantity of Oxygen Transmission Rate (OTR) tests. With a unique four-cell capability, instruments in this series can test four barrier samples simultaneously, providing twice the throughput of traditional OTR instruments.

Two models are available within the 2/28 series: the 2/28 H and the 2/28 HR. The 2/28 H was designed for dry testing conditions, with an RH of 0%. The 2/28 HR model includes precise control of RH for the test gas, allowing you to more closely match environmental conditions or previous testing data. Both models share ease-of-use and automated testing features, including software additions to improve laboratory efficiency. The QC test mode simplifies routine testing for operators, while the conditioning test mode decreases overall testing time. These unique settings can dramatically increase the efficiency and overall testing capacity of your lab, making it the perfect solution for the busy QC lab supporting production operations.



The 2/28 Series features an innovative dual film cartridge, which combines two test cells into a single cartridge. This allows for more than double the testing capacity of legacy and single-cell models, with the exact same compact footprint.

Dual film cartridges use a standard 50 cm<sup>2</sup> testing area, and incorporate our proprietary TruSeal® in both the upper and lower cells. The Tru-Seal design uses two seals and flushes gas between them to prevent ingress into the testing area. This reduces background levels, improves repeatability, and reduces the need to run individual zero.

Interchangeable cartridge options such as the dual cell edge effect and reduced area cartridges expand testing capabilities.

### Accessories

- PermWare® software is available to collect and manage test data
- Additional cartridges allow samples to be prepared and staged for a quick change out to increase efficiency
- Interchangeable dual-cell cartridge options expand testing capabilities.

Options include:

- Reduced area cartridge
- Edge effect cartridge

### Dimensions & Weight

Depth: 23" or 58,0 cm

Width: 12" or 30,4 cm

Height: 15.5" or 39,4 cm

Weight: 95 lbs. or 43,1 kg

### Industry Standards

- ASTM D3985
- ASTM F2622
- ISO CD 15105-2
- JIS K-7126-2
- DIN 53380-3
- GB/T 19789-2005

### Conformance Standards

- CE, UL, CSA Safety Compliance

### Connectivity

- Ethernet Port
- 2 USB Ports
- PermNet™ Lite for remote monitoring

## Performance Specifications

Specification	OX-TRAN 2/28 H	OX-TRAN 2/28 HR
Test Temperature Range	20°C to 60°C ± 0.2°C	20°C to 40°C ± 0.2°C
Controlled RH Testing Ranges	0% only	0%, or 50 to 90% Test Gas ± 5% RH, 0% Carrier Gas
Maximum Film Thickness		
Standard cartridge for 50 cm <sup>2</sup>	Up to 20 mil, 0.5 mm	Up to 20 mil, 0.5 mm
Optional cartridge for 5.0 cm <sup>2</sup>	Up to 120 mil, 3.0 mm	Up to 120 mil, 3.0 mm
Optional cartridge for 10.0 cm <sup>2</sup>	Up to 120 mil, 3.0 mm	Up to 120 mil, 3.0 mm
Carrier Gas	Nitrogen/Hydrogen Mix (98%/2%)	Nitrogen/Hydrogen Mix (98%/2%)
Test Gas	100% Oxygen (99.9% pure)	100% Oxygen (99.9% pure)



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