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8200 Oxygen Permeation Analyser Stion Analysing



Simple, cost effective oxygen permeation testing for packages and bottles



Features & Benefits

- Simple & quick changeover of samples
- Versatile permeation analysis
- Low cost system

- Easy to use software
- Designed specifically for packages
- Accuracy traceable to current NAMAS/N.I.S.T. standards

The Systech Illinois 8200 is ideal for oxygen permeation testing of packages and bottles. This two station analyser is the economical solution - it incorporates the reliability and wide measurement range of our leading permeation instruments but is designed to be cost effective.

The 8200 offers versatile permeability analysis of containers, canisters, pouches, bags, closures and more. The removable adaptors offer a range of testing methods and can even be tailored to a specific requirement.

It has the ability to evaluate a wide variety of barrier alternatives and their corresponding performance.

The proven coulometric sensor provides reliable, repeatable and accurate measurements time and time again.

Simple windows based software means the permeation analyser is easy to set up with QuickStart stored testing configuration settings and clear concise results.

No special gases are required, all you need is pure nitrogen.

Conforms to: ASTM D-3985 ASTM F-2622 ISO 15105-2 DIN 53380 **JIS K-7126** Electromagnetic Compatibility Directive 89/336/EEC Low Voltage Directive 73/23/EEC

Applications

PET bottles Containers Canisters Flexible pouches Bags

8000 range of Oxygen Permeation Analysers

Systech Illinois' range meets the requirement for the testing of any application.



8001

8001L

sensor.

8002

8003

533 x 533 x 305(mm) 28.1kg 2 stations for films or packages, precise humidity control, can switch between wet or dry samples within minutes.

As 8001, with new coulometric oxygen

533 x 533 x 305(mm) 28.1kg

533 x 533 x 305(mm) 28.1kg As 8001, but tests only dry or wet

533 x 533 x 305(mm) 28.1kg

As 8001, but tests dry only.

(assumed 100% RH).



8200

533 x 533 x 305(mm) 28.1kg 2 station for films or packages.

8501



356 x 356 x 279 (mm) 18.2kg Reduced specification single station for film or package, dry test only.



760 x 590 x 350 (mm) 65kg

11 stations for films or packages.

Technical Specifications	8001	8001L	8002	8003	8200	8501	8700
OTR Test Range Films 0.005 - 432,000 cc/m²/day (0.0003 - 28,000 cc/100in²/day) No masking required 0.008 - 432,000 cc/m²/day		\checkmark					
(0.0005 - 28,000 cc/100in ² /day) No masking required	\checkmark		\checkmark	\checkmark			
0.04 - 100,000 cc/m²/day (0.0001 - 5,000 cc/100in²/day) No masking required 1 - 99,999 cc/m²/day (0.07 - 6,800 cc/100in²/day) No masking required					\checkmark	\checkmark	~
Package 0.000025 - 1,000 cc/pack/day 0.00004 - 1,000 cc/pack/day	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
Test Temperature Range 5°C to 50°C (41°F to 122°F) 15°C to 40°C (59°F to 104°F)	\checkmark	\checkmark	\checkmark	\checkmark	ambient	\checkmark	ambient
Controlled RH Testing Dry (0% RH) or generated RH (20% to 90%) Dry and Unknown Wet RH (Assumed saturated or 100% RH) Dry only	\checkmark						
Expansion Expandable up to 5 Modules (Total 12 test cells) Expandable up to 5 Modules (Total 66 test cells)	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
Test Sample Size Films 50cm ² Films 100cm ² Packages	√ √	√ √	\checkmark	✓ ✓	✓ ✓	\checkmark	\checkmark
Calibration Films or NIST gas	\checkmark						
Automatic Temperature Control	\checkmark	\checkmark	\checkmark	\checkmark	ambient	\checkmark	ambient
Power rating 100-240 VAC, 50/60 Hz, 840 VA (max) 100-240 VAC, 50/60 Hz, 150 VA (max)	\checkmark						

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Systech Illinois reserve the right to change specifications without notice. 05/2012

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Electro wdered Metals ity
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