

Friction / Peel



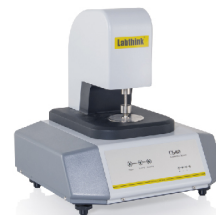
C620H Friction / Peel Tester

Hot Tack



C632H Hot Tack Tester

Thickness



C640 Thickness Tester

Tensile



C610H Auto Tensile Tester

Box Compression



XYD-15K Box Compression Tester

Box Compression



C611M Box Compression Tester

Thermal Shrinkage



C631H Thermal Shrinkage Tester

Torque



C612M Digital Torque Tester

Coefficient of Friction



MXD-02 Coefficient of Friction Tester

Leak



C660B Leak and Seal Strength Tester

Leak & Seal Strength



C660M Leak and Seal Strength Tester

Leak & Seal Strength



I-Process 6610 Leak & Seal Test and Data Processing System



Labthink®

Over 140+ patents.
350+ employees worldwide.
50,000+ instruments installed worldwide.
No planned product obsolescence, ever.
We sell only Labthink manufactured instruments.

Tear



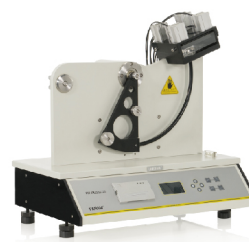
SLY-S1 Elmendorf Tearing Tester

Dart Impact



BMC-B1 Falling Dart Impact Tester

Pendulum Impact



FIT-01 Film Pendulum Impact Tester

Hot Tack



C632B Hot Tack Tester

Flex & Twisting



C681M Flex Durability Tester

Heat Seal



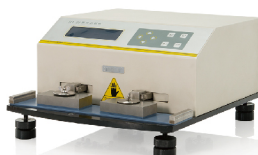
C630H Heat Seal Tester

Heat Seal



HST-H3 Heat Seal Tester

Rub



RT-01 Rub Tester

Head Space



C650M Headspace Gas Analyzer

Air Permeability



TQD-G1 Air Permeability Tester

Adhesion



CZY-85A Lasting Adhesive Tester

Fogging



FT-F1 Fogging Tester

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Labthink app

Gas Permeability Tester C130H



Machine Specifications

- Potential operational savings of over \$90,000.00 in ten years! (COST OF OWNERSHIP)
- No expensive coulometric sensor to replace, eliminate fluctuating test results due to sensor absorption progression.
- No need for nitrogen carrier gas or expensive mixed gas (hydrogen and nitrogen).
- Wide range from 0.05cm³/m²/day to 50,000cm³/m²/day (3 x 10⁻³ cc/100 sq in – 3225 cc/100 sq in) – one instrument can work with high and low barrier films.
- Double production throughput.
- Compliant with ASTM D1434 differential pressure method – acknowledged to be the academic standard for measurement of gas permeation.
- Can test for gases other than oxygen.
- Smooth, stable measurement with one-way permeation process.

GTR Gas Permeability Tester Manometric Method, ASTM D1434



Parameter \ Model	G2/131
Test Range	0.05 ~ 50,000 cm ³ /m ² ·24h·0.1Mpa
Vacuum Resolution	0.1 Pa
Temperature Range	15°C ~ 55°C ±0.5°C (room temperature 23°C)
Test Chamber	3 test chambers



Parameter \ Model	VAC-V2
Test Range	0.05 ~ 50,000 cm ³ /m ² ·24h·0.1Mpa
Vacuum Resolution	0.1 Pa
Temperature Range	5°C ~ 95°C ±0.1°C
Test Chamber	3 test chambers

OTR OTR Tester Coulometric Method, ASTM D3985



Machine Specifications

- Patented three cell, stainless steel test block for exceptional temperature control.
- External, computer-controlled humidity generator for precise control.
- Individual temperature and humidity sensors in each test cell.
- Insulated cell block and sensor to minimize the effect of external conditions.
- Labthink designed and manufactured sensor.

Parameter \ Model	C230M	C230H	C230G	C230X
Test Range	0.01 ~ 5000 cm ³ / (m ² ·d) (Standard)	0.01 ~ 200 cm ³ / (m ² ·d) (Standard)	0.005 ~ 200 cm ³ / (m ² ·d) (Standard)	0.005 ~ 5000 cm ³ / (m ² ·d) (Standard)
Resolution	0.001 cm ³ / (m ² ·day)	0.001 cm ³ / (m ² ·day)	0.0001 cm ³ / (m ² ·day)	0.0001 cm ³ / (m ² ·day)
Temperature Range	10 ~ 55 ±0.2 °C	10 ~ 55 ±0.2 °C	10 ~ 55 ±0.2 °C	10 ~ 55 ±0.2 °C
Test Chamber	3 test chambers	3 test chambers	3 test chambers	3 test chambers





Water Vapor Transmission Rate Test System

C360H

Machine Specifications

- Eliminate manual E96 testing methods.
- Potential operational savings of over \$40,000.00 in ten years! (COST OF OWNERSHIP)
- No expensive sensor to replace, eliminate fluctuating test results due to sensor absorption progression.
- Ability to test six or twelve samples during the single test period.
- Supports desiccant and water testing methods.

W V T R

Water Vapor Transmission Rate Tester, Gravimetric Method, ASTM E96



Parameter \ Model	C360 (Series)	
Testing Efficiency	0.01g/(m ² ·day) ~ 0.5g/(m ² ·day)	>24 hours
	0.5g/(m ² ·day) ~ 5g/(m ² ·day)	12 ~ 24 hours
	> 5 g/(m ² ·day)	≤8 hours
Number of Specimens	6 or 12	



Parameter \ Model	W3/031
Test Range	0.5 ~ 10,000 g/m ² ·24h (Water Method)
Resolution of WVTR	0.01 g/m ² ·24h
Test Temperature	15 °C ~ 55 °C ±0.5°C (standard)
Number of Specimens	3

W V T R

WVTR Testers, Infra-Red and Electrolytic Sensor Methods



Machine Specifications

- Patented three cell, stainless steel test block for exceptional temperature control.
- External, computer-controlled humidity generator for precise control.
- Individual temperature and humidity sensors in each test cell.
- Insulated cell block and sensor to minimize the effect of external conditions.
- Labthink designed and manufactured sensor.

WVTR Tester Infra Red Method ASTM F1249

Parameter \ Model	C390H
Test Range	0.005~40 g / (m ² ·day) (Standard)
Resolution	0.0001 g / (m ² ·day)
Test Temperature	10 ~ 55 ±0.2 °C
Number of Specimens	3

WVTR Tester Electrolytic Method ASTM F3299

Parameter \ Model	C330H	C330G
Test Range	0.005~50g / (m ² ·day)	0.00005~5g / (m ² ·day)
Resolution	0.001 g / (m ² ·day)	0.00001 g / (m ² ·day)
Test Temperature	10 ~ 55 ±0.2 °C	
Number of Specimens	3	

