Product name:	Product code:
Coulometric Oxygen Transmission Rate Tester	CMI-IND-0133

Description

Measures the oxygen gas transmission rate through multilayer barrier films using a coulometric sensor. Used by laminators and food and pharma packers to qualify barrier structures.

Technical specification

- Vacuum grease
- Reference film
- Gas regulators

A film is clamped between two chambers with oxygen on one side and carrier gas on the other, and the oxygen that permeates is measured by a coulometric detector. The result in cc/m2.day shows how long a pack will protect the contents from oxidation. Temperature and humidity are controlled for repeatable results.

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Features

- Coulometric sensor requiring no calibration gas
- Temperature control 15 - 50 deg C
- Humidity control 0 - 90 % RH
- Two test cells for independent testing
- PC software with permeability curves

Technical Specifications

OTR Range	0.05 - 200 cc/m2.day
Test Area	50 cm2
Temperature Range	15 - 50 deg C
Humidity Range	0 - 90 % RH
Accuracy	+/- 0.5 % reading
Standards	ASTM D3985, ISO 15105-2, ASTM F1927
Gas Supply	99.9 % oxygen and 99.999 % nitrogen
Power Supply	230 V AC, 50 Hz

Standard Accessories