



Oxygen Transmission Rate Analyzer

OxySense Model 8107

The OxySense 8107 analyzer is our affordable oxygen transmission rate analyzer for those who are testing finished packages at ambient or climate controlled conditions for throughput, quality control and R&D demands. It measures oxygen transmission rate and incorporates the latest in coulometric sensor technology with high sensitivity and wide test range.

Test Conditions

This instrument is ideal for users that want to test oxygen transmission rates of PET bottles, containers, canisters, bags, trays and pouches in ambient lab conditions or at specific RH conditions using environmental chamber.

Advanced and long-life sensor technology

Our high sensitivity, wide range e-Metric coulometric sensor technology has a long service life – lasts twice as long as the competition.

Easy operation

Intuitive Windows based software that can be run on any commercially available Desktop, Laptop or tablet computer.

Technical Specification:

E-Metric Unmasked	Range
cc/(pkg • day)	0.00025 to 2000
Resolution cc/(pkg . day)	0.00001
Repeatability cc/(pkg . day)	0.00001 or 2%

Test Conditions

RH Testing Ranges:

Ambient or controlled by chamber

Temperature Range:

Ambient or controlled by chamber

Features & Benefits:

- Tests finished packages at ambient lab conditions or precise temperature and relative humidity using environmental chamber
- Proprietary Long Life “E-metric”, coulometric sensor technology, last twice as long as the competition
- Long life sensor – lasts twice as long as competition
- ASTM F1307 compliant
- Large test range of 0.00025 cc/pkg day – over 2,000 cc/pkg. day
- Anti-surge protection against exposing the sensor to large amounts of oxygen & extends sensor life
- Does not require expensive nitrogen/hydrogen mixed gas

Industry Standards:

- ASTM F1307

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