

THE ONLY CONSUMABLE-FREE GAS AND LEAK MEASURING DEVICE FOR THE SECURE TESTING OF YOUR PACKAGING



BENEFITS

Reduce testing costs : No consumables

Automatic : The operator can concentrate on other tasks

Safe to use : No handling of the needle (automatic cleaning)

Testing protected from outside interruptions

Dry tests : Hygienic, no source of bacterial growth, easy to clean

Reliable data for packaging stage from the R&D stage onwards

Measure the impact of machine settings on the overall integrity of the packing

How can you test the integrity of your packaging and ensure your product is properly preserved ?

The OXYLOS is not just a detector. This automated measuring instrument is ideal for production, offering you solutions to control the quality of your packaging. Its easy-to-use interface has been designed to be easily understood and used by everyone.

OXYLOS measures :

- O₂ and CO₂ content
- The flow rate of leaks down to 5 µm
- The creep test of the packaging
- The strength of seals up to 1.4 bar

OXYLOS adapts to your production constraints and proposes positioning tools adapted to your formats in order to reduce operator-related uncertainties.

FEATURES

- 6 tests with 1 device:
MAP (O₂&CO₂) + micro leaks + creep test (A&B) + seal strength
- Meets standards
DIN 55508-1 : measures flow rate at constant pressure
ASTM F1140 : seal strength
ASTM F2054 : burst test
- Greater sensitivity in very low overpressure:
micro-leaks down to 5 µm at over 10 mbar
- **Option: synchronisable on the production line** interfacing with the conveyor
- **Wholly traceable**: use all data analysis possibilities via USB, Ethernet, or directly in your ERP system
- **Remote connection and 24/7 remote maintenance**

SCOPE OF APPLICATION

OXYLOS is used in the food processing, cosmetics, and pharmaceutical industries for **all types of packaging including vacuum sealed**, flexible, rigid, semi-rigid, and metal membrane sealed.

HOW DOES IT WORK? [video link](#)



1. Select the programme	2. Start the test			3. End of the test
	GAS ANALYSIS	LEAK MEASUREMENT	CREEP TEST	BURST TEST
Select a program and place the product into the test chamber. The packaging is automatically pierced without a septum (a suction cup is used to avoid leaks).	The device takes and analyses a small amount of O2 and CO2 gases.	The device measures the airflow needed to maintain a set overpressure in the packaging. Leaks are shown metrologically in ml/min and equivalent µm.	Application of a constant test pressure to the packaging and monitoring of flow and pressure as a function of time.	Pressure is applied to the package to measure the pressure needed to burst the package. The compliance of the results is shown in colours compared to the preconfigured thresholds. At the end of the test, the needle is cleaned automatically.

SPECIFICATIONS

OXYLOS O2 OR O2&CO2 LEAK

Device	Automated table analyser with IP65 connectivity in aluminium and stainless steel with 7" colour touchscreen.
Weight and dimensions	28 kg - L 560 mm x H 495 mm x D 473 mm
Power supply	100-250 VAC -50/60 Hz - 63 W
Compressed air	4 to 8 bar (dry and oil-less) filtered to 20 µm
Ports	1 USB 2.0 and 1 RJ45 Ethernet
Features	Laser positioning tool for sample Clogged circuit detector Pump suction control Compensates for variations in atmospheric pressure Complete traceability - Remote connection Analytical curves (displayed and recordable)

	O2 GAS ANALYSIS	CO2 GAS ANALYSIS
Technology	Electrochemical	NDIR
Precision	+/- 1% relative	+/- 2% full scale
T90 response time	750 ms	7 sec.
Resolution	+/-0,01%	0,1%
Average service life	18 months in air	10 years

	LEAK MEASUREMENT Standard DIN 55508-1	CREEP TEST Standard ASTM F1140	BURST TEST Standard ASTM F1140
Technology	Mass flowmeter	Piezoresistive barometer	Piezoresistive barometer
Precision	+/- 0.8% full scale (µm)	+/- 0.5% full scale	+/- 0.5% full scale
Resolution	0.1ml/min - 1µm	1mbar	1mbar
Measurement	0.1-500ml/min 5µm à 500µm	200 - 500 mbar	0,2 - 1,4 bar
Pressure	from 10 to 500mbar	500 mbar	Up to 1.4 bar
Flow	4200 ml/min	4200 ml/min	Minimum 250 L/h

OPTIONS

- **New:** Injection gases are continuously monitored
- Online device synchronised with the conveyor
- 3G router + HMI Advanced
- Can interface with ERPs
- 2nd Ethernet port to isolate the internal from the external network

ACCESSORIES

- 2.5 L buffer tank with check valve
- The calibrated leak to control the leakage measurement
- The barcode reader select faster the test program.
- The pressure regulator with filter for compressed air
- The metal detectable stylus for the touchscreen
- Placement tool
- Hopper reduction accessory (small formats)
- The needle cleaning tool

DEVICE DELIVERED WITH

- 1 Transport case
- 1 Stabilization tank
- 2 Needles with suction cup
- 1 Stylus for the touchscreen
- 1 Power cord
- Calibration certificate
- User manual
- 1 USB Key and 1 3G Key