

SAFELY MEASURE THE TIGHTNESS AND STRENGTH OF THE SEALS ON YOUR PACKAGING WITHOUT CONSUMABLES



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:

- 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

- Automated micro-leak + creep test + seal strength measurements

- 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						
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).	<table> <tr> <th>LEAK MEASUREMENT</th><th>or</th><th>BURST TEST</th></tr> <tr> <td> The device measures the airflow needed to maintain a set overpressure in the packaging. Leaks are shown metrologically in ml/min and equivalent μm. </td><td></td><td> Pressure is applied to the package to measure the pressure needed to burst the package. </td></tr> </table>	LEAK MEASUREMENT	or	BURST TEST	The device measures the airflow needed to maintain a set overpressure in the packaging. Leaks are shown metrologically in ml/min and equivalent μm.		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.
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SPECIFICATIONS

OXYLOS 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 Complete traceability Remote connection Analytical curves (displayed and recordable)

LEAK MEASUREMENT - Standard DIN 55508-1

Technology	Mass flowmeter
Precision	+/- 0.8% full scale (μm) +/- 1% of the reading + 0.1 ml/min
Resolution	0.1ml/min - 1 μm
Measurement	0.1-500 ml/min - 5 μm to 500 μm
Pressure	Adjustable from 10 to 500 mbar
Flow	Filling: 4200 ml/min

CREEP TEST Standard ASTM F1140

Technology	Piezoresistive barometer
Precision	+/- 0.5% full scale
Resolution	1mbar
Measurement	200 - 500 mbar
Pressure	500 mbar
Flow	Filling: 4200 ml/min

BURST TEST Standard ASTM F1140

Technology	Piezoresistive barometer
Precision	+/- 0.5% full scale
Resolution	1mbar
Measurement	0.2 - 1.4 bar
Pressure	Up to 1.4 bar
Flow	Inflation: Minimum 250 L/h

OPTIONS

- 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 Power cord
- 1 Detectable stylus
- Calibration certificate and user manual
- 1 USB Thumb drive
- 1 USB 3 G modem