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.

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

**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.
**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 key
- 1 3G key

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**HOW DOES IT WORK?**

1. **Select the programme**
   - 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).

2. **Start the test**
   - **LEAK MEASUREMENT**
     - The device measures the airflow needed to maintain a set overpressure in the packaging.
     - Leaks are shown metrologically in ml/min and equivalent µm.
   - **CREEP TEST**
     - Application of a constant test pressure to the packaging and monitoring of flow and pressure as a function of time.
   - **BURST TEST**
     - Pressure is applied to the package to measure the pressure needed to burst the package.

3. **End of the test**
   - 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**

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

### 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

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19, rue du Bois de la Remise - ZA du Tremblay - 91480 Varennes Jarcy - France
Tel: +33 (0)1 60 48 51 61 • Fax: +33 (0)1 60 48 36 49
www.aneolia.com