

Dansensor® LeakMatic II

ENSURE SEAL INTEGRITY WITH IN-LINE LEAK DETECTION



Benefits

- Less product returns
- Less claims
- Safer brand image

Features

- Optical sensor
- No heating time
- Data logging of measurement data
- Fully automated non-destructive testing
- Easy operation via touch screen
- 3-year CO₂ sensor warranty

In-line leak tester for quality assurance of Modified Atmosphere Packages (MAP)

Why let leaky packages put a hole in your brand's reputation? With the Dansensor® LeakMatic II they can be stopped right on the production line – before reaching the supermarket, or worse yet, the dinner table!

The Dansensor LeakMatic II uses a non-destructive testing technique that spots leaks with amazing precision and without destroying packages. It safeguards your brand while reducing packaging costs.

Designed to meet the growing demand for fresher foods, the Dansensor LeakMatic II can be integrated right into your packaging line – right after product boxing. The system ensures seal integrity of entire boxes of MAP products at a speed of up to 4 cycles per minute.

Ready to move up to efficient, continuous in-line leak testing? Can you afford not to?

HOW DOES IT WORK?



1: An individual test program is created for each product to be tested, ensuring that the right test parameters are set for each product.

2: In operational mode the Dansensor LeakMatic II will automatically signal the feeding conveyor belt when ready for a new test. Operation is entirely automatic once the product program has been selected.

3: During the test a user-defined vacuum is drawn causing a pressure difference between the packages and the chamber – in turn causing CO₂ to leak into the chamber. The full test cycle takes 12-15 seconds depending on the product.

4: If a leak is detected, a signal is sent to a package rejection unit and the package is automatically rejected.

The system can be integrated into your packaging line, right after product boxing.



Technical Specifications

| Package sizes | Dansensor LeakMatic II (Small) | Dansensor LeakMatic II (Medium) | Dansensor LeakMatic II (Large) |
|--|---|---------------------------------|--------------------------------|
| Maximum package size (with packfix) | 260 x 390 x 310 mm (HxWxD) | 245 x 610 x 300 mm (HxWxD) | 330 x 610 x 300 mm (HxWxD) |
| Maximum package size (without packfix) | 260 x 390 x 330 mm (HxWxD) | 260 x 610 x 400 mm (HxWxD) | 350 x 610 x 400 mm (HxWxD) |
| Common technical specifications | | | |
| Package types | Flexible, non-flexible packages. Individual packages or complete shipping crates | | |
| Number of product set-ups | 16 | | |
| Sensor type | Optical sensor | | |
| Start up time | After power on: 1 minute. After standby: 20 sec. | | |
| Test pressure | Down to 300mbar absolute | | |
| Test speed | Up to 4 cycles per minute | | |
| Dimensions & weight | Cabinet size: 1825 mm x 880 mm x 1050 mm (HxWxD), weight: approx 450 kg | | |
| Power supply | 400 VAC | | |
| Connections | 2xRS232 for printer, PC connection | | |
| Relay outputs | All relay outputs: Max 48V/1A, "system ready", "ready to test product", "test OK", "leak" | | |
| Notice | The LeakMatic is delivered without safety shielding, conveyors and rejection unit | | |
| Compliances | CE | | |

Specifications subject to change without notice. Further specifications are available in the User Guide.

PB-PTPS-Dansensor LeakMatic II-EN-4

