

LeakProtego

INTELLIGENT LEAK MANAGEMENT



Benefits

- Automates single package testing
- Eliminates human inspection
- Reduces recalls and fines
- Determines leak sizes
- Provides product traceability
- Optimizes your production
- Reduces your cost and waste
- Secures your brand

Features

- Identifies leaks down to 50 microns
- Up to 12 packages / min. per module
- Modular concept 2- 8 modules
- Automatically rejects leaking packages
- Intuitive touch panel
- Statistical info on control panel
- Logs events and errors
- Remote access and interface to other systems
- Exports collected production data

Micro leak detection system for individual packages

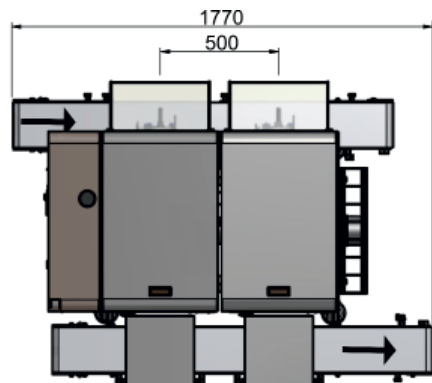
Our new concept is called LeakProtego and is probably the only leak system in the world with the capability to test micro leaks down to 50 microns at a speed that matches the majority of packaging machines producing modified atmosphere packages.

The LeakProtego uses a patent-pending sensing system with CO₂ as the trace gas to detect leaks. The technology relies on modular units, each of which can test up to 12 packages per minute. With 8 modules you will be able to test up to almost 100 packs per minute.

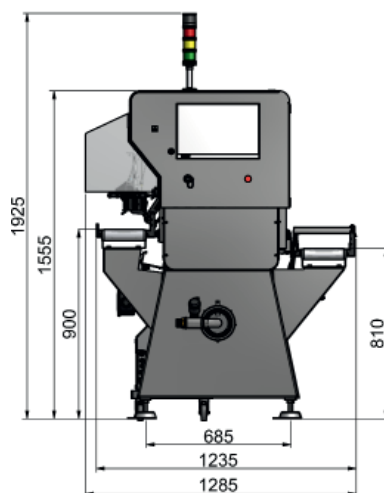
Multiple modules can be combined so that individual package testing can keep up with the packaging machine's output. The system provides the operator with critical information such as individual leak size and leak rate so that production line optimizations can be made quickly.

Contact us to learn more. LeakProtego might be the solution for you. Call us or e-mail us at sales@dansensor.com.

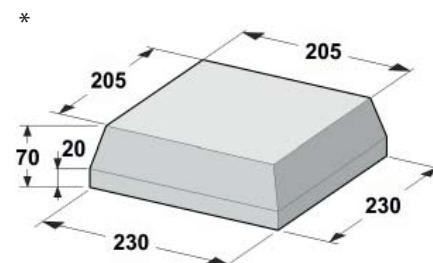
2 modules



2 - 8 modules



LeakProtego secures the integrity of every single MAP package.



Technical Specifications

Common technical specifications	
Package types	Flow wrapped, Thermo formed, Tray sealed packages
Maximum package dimensions	*205 x 205 x 70 mm 230 x 230 x 20 mm
Package weight	Up to 1000 g
Number of modules	Fully flexible from 2 to 8 modules
Max. testing capacity	Up to 12 packages / min. per module (24 – 96 packages / min)
CO2 content in packages	15% - 100% CO2
Sensor type	Optical sensor (open-path IR sensor)
Chamber vacuum	100-300 mbar (relative)
Leak size measurements	From 50 micron to +700 microns (MOCON Leak test method)
Dimensions	Two module dimensions Length 2 modules: 1770 mm, 3 modules: 2270 mm, 4 modules: 2770 mm, 5 modules: 3270 mm, 6 modules: 3770 mm, 7 modules: 4270 mm, 8 modules: 4770 mm
Power supply	3P+N+PE, 400VAC, 50Hz, min. 13A. 3P+N+PE, 208VAC, 60Hz, min. 25A.
Air supply	Compressed air: minimum 6 bar, consumption per module: ~60 L/min.
Connections	LAN 10/100 Mbit USB for data import and export 24VDC logic for Ready/Busy/alarm signals
Ambient temperature	8 °C - 30 °C / 46.5 °F - 86 °F
Ambient relative humidity	Up to 80% RH non condensing
Ambient CO ₂ level	Up to 5000 PPM
Compliances	CE
Assessories	
Feed conveyor	Offered in two standard lengths, 1100 mm and 1600 mm

Specifications subject to change without notice