PRODUCT BROCHURE

Dansensor®
LeakPointer® H_2O
VISUAL BUBBLE LEAK DETECTION SYSTEM

Dansensor LeakPointer H_2O bubble test leak detector

Benefits

- Test package integrity and find exactly where leaks are located
- Test packages with or without headspace, regardless of gas mixture
- Ergonomically designed for operator safety and convenience
- Mounted lid avoids mess and requires no extra table space
- Easy to clean with self-draining, removable tub
- Simple installation and operation
- No adjustment required for different package sizes or types

Quick and effective visual leak testing with designed convenience

The Dansensor® LeakPointer® H_2O is a package leak detector which helps you pinpoint even the smallest leaks. This instrument helps you conduct visual leak tests (bubble test) on all types of flexible, semi-rigid and rigid packages, regardless of whether they have headspace, like MAP packages, or use other packaging methods with little or no headspace, such as vacuum or skin packaging.

Simply place the test package(s) into the tub, close the lid, and start the instrument to begin testing – you can even use the vacuum pressure to fill the tub with exactly the right amount of water. When you stop the test, the lid opens automatically, dripping excess water back into the tub. Adjust the pressure as needed and watch for a stream of bubbles from the package to locate the leak. The instrument is easy to empty and clean. No messy overfill, no heavy lifting to fill or clean the instrument, and no hard-to-reach corners!

The Dansensor LeakPointer H_2O is the perfect addition to your quality control process. It can be used alone or, for the ultimate leak detection solution, use it in tandem with the Dansensor LeakPointer 3 or 3^+.

Features

- Mounted, pneumatic lid – opens/closes effortlessly and stops messy dripping
- Easy-clean removable, rounded tub
- Quick-release hose to fill or empty the tub without heavy lifting
- Easy-to-read vacuum gauge
- Balance hose allows testing on all types of packages
- Adjustable pressure -50 to -800 mbar
- Vacuum generation with compressed air (no electrical connection)
- Reversible tub gives convenient access to drain valve, front or back
- Complies with ASTM D3078
- Optional digital pressure meter ensures accurate testing, even on difficult packages

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HOW DOES IT WORK?

1. Place package(s) into the tub, hold the lid closed and start the test to fill the tub with water.
2. When the water level reaches the hole plate, close the drain hose valve.
3. The package will balloon under the pressure and leaks become visible with the release of bubbles from the package; adjust the pressure as required.
4. Stop the test by pushing the button once more; the lid will open automatically and you can remove the package(s).
   This test complies with ASTM D3078.

Add the optional Digital Pressure Meter for a successful test every time, even on rigid, flat packages that don't expand under pressure or packages with easy-open seals which can't withstand high pressures.




LeakPointer family - better together!
Find a leak (and even its exact size) with the LeakPointer 3/3+ non-destructive leak test, then pinpoint its exact position with the LeakPointer H2O

Balance hose
Test on packages with little or no headspace by introducing air from outside the vacuum chamber

Technical Specifications

Specifications	Dansensor LeakPointer H2O
Package types	Flexible, semi-rigid and rigid packages
Test types	Bubble test
Test package size	Smaller than tub dimensions
Tub dimensions (WxDxH) and volume	400 mm x 400 mm x 150 mm (15.7" x 15.7" x 5.9") (approx. size due to tapered design) ~ 25 liter volume (6.6 US gal) to the level of the hole plate
Fill time (with vacuum fill)	Up to 1 minute
Test time	Unlimited (control manually)
Vacuum pressure	-50 to more than -800 mbar (-0.7 to -11.6 psi)
Dimensions (WxDxH) and weight	Lid open: 526 mm x 640 mm x 720 mm (20.7" x 25.2" x 28.3") 22 kg (48.5 lbs)
Air supply pressure and connection	6.0-7.0 bar Ø6/4mm tube DIN ISO 8573-1:2010 [4:4:3]
Air consumption	Max 185 L/min
Compliance	CE, China RoHS II
Standards	ASTM D3078

PB-PTPS-Dansensor LeakPointer H2O_EN-2

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Dansensor®
LeakPointer 3
LeakPointer 3+
THE FASTEST PRECISION OFF-LINE LEAK DETECTOR ON THE MARKET

PRODUCT BROCHURE

Benefits

- Non-destructive leak testing
- Ensures product quality
- Detects micro leaks down to 50 microns
- User interface harmonized with other Dansensor branded instruments
- Data collection and data sharing options
- Easy to operate

Additional benefits Dansensor LeakPointer 3:

- Immediate calculation of hole size
- Down to10-second test cycle
- Additional option; Dansensor® PackBase

Additional benefits Dansensor LeakPointer 3+:

- Tests multiple large packages at once

Off-line leak tester for quality control of Modified Atmosphere Packages (MAP)

Nobody likes surprises on the production line. Nobody wants recalls, delays or packaging mistakes either. Thankfully, there is an easy way to take these unwanted surprises out of the picture.

Dansensor® LeakPointer 3 checks your packaging process is working effectively, with fast read times that help you get back on track quickly if leaks occur. Designed for food industry use, the highly-accurate instruments detect even tiny leaks to guard against delivering unusable food to retailers and consumers.

Easy to use, the testing set-up is simple and easy to manage, with presets to keep information streams consistent when using multiple operators across different shifts. Just follow the set-up instruction, select a product to test, close the lid and begin.

Designed for speed, Dansensor LeakPointer 3 has a capacity of up to 6 packages/min. (10 sec. cycle time). Dansensor LeakPointer 3+ has a large chamber suitable for multiple package test or very large packages and has a slightly higher cycle time.

The advanced instruments detect leak sizes down to 50 microns (µm), so you can calibrate to shelf life parameters, and avoid losing usable products. All the information you need is delivered faster with more detail to help you avoid unexpected and expensive hiccups. Say no to surprises and yes to effective quality control.

Features

- Designed for the food industry
- Easy operation via touch screen
- Scan barcode or choose program to operate
- Option to prompt user for additional measurement input
- Read the leaks in microns
- Immediate vacuum holding lid down (with visual indicator)
- Integrated Delta-P meter
- Auto data logging
- Data export per cycle via LAN
- Printing facility (USB)
- Low sensitivity to surrounding CO_2 levels

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HOW DOES IT WORK?

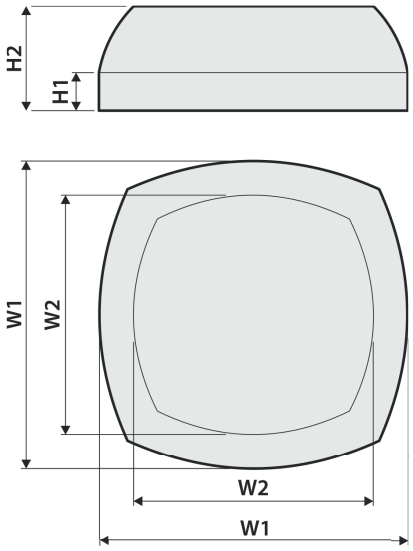
1: An individual test program is created for each product to be tested. Select the correct program using either the touch screen or a bar code scanner.

2: When the correct test program has been selected the package is placed in the chamber and the lid closed, starting the automatic test cycle.

3: During the test a user-defined vacuum is drawn, causing a pressure difference between the package and the chamber. The Dansensor® PackFix helps to ensure that the pressure difference is the same each time a package is tested. If there is a leak, the pressure difference causes the CO_2 inside the package to leak into the chamber. The full test cycle takes 10-35 seconds depending on the product set-up.

4: When the automatic test cycle is completed, the display will show either "OK" or "Leak" – clearly indicating if the package is leak-free or not. For a single package mode the result will be shown as the diameter of a reference hole in micron. For multiple packages mode, the result will be shown as ppm/s indicating the rise of CO_2 in the chamber. Test data are automatically stored and can be retrieved for statistical purposes.

Reduce batch recalls and packaging erros with the new Dansensor LeakPointer 3 & LeakPointer 3+



Technical Specifications

Available configurations	Dansensor LeakPointer 3	Dansensor LeakPointer 3+
Package types	Flexible and rigid packages. Individual packages	Flexible and rigid packages. Multiple packages
Maximum product size (mm) - See illustration in the upper right corner	With Dansensor PackFix: W1= 325, W2 = 295 H1= 40, H2 = 86 Without Dansensor PackFix: W1= 325, W2 = 268 H1= 40, H2 = 110	W1 = 465, W2 = 363 H1= 40, H2 = 155
Power supply	100-264 VAC, 50/60 Hz	115 VAC, 60 Hz / 230 VAC, 50 Hz
Dimensions & weight	Lid open: 543mm x 400mm x 617mm (HxWxD) 20 kg	Lid open: 751mm x 555mm x 812mm (HxWxD) 50 kg
Air supply	5.5 ± 0.5 bar (venturi vacuum system)	Vacuum pump integrated
Chamber vacuum	Down to 750 mbar delta pressure	Down to 800 mbar delta pressure
Common technical specifications		
Sensor type	NDIR CO_2 sensor, single beam	
CO_2 content in packages	Down to 10%	
Ambient temperature	Operational: +2°C to +35°C Storage: -20°C to +60°C	
Ambient relative humidity	Operational: +2°C to +25°C: 10 to 90 %RH, non condensing +25°C to +30°C: 10 to 70 %RH, non condensing +30°C to +35°C: 10 to 50 %RH, non condensing Storage: less than 95 %RH, non condensing	
Ambient CO_2 level	Max 4500 ppm, recommended <1500 ppm	
Leak size measurements	Down to 50 microns	
Number of products (test programs)	100	
Data collection capacity	Test data from more than 1,000,000 tests	
Connections	2 x USB, 1 x LAN RJ45, air pressure Ø6mm hose (Dansensor LeakPointer 3 only)	
Compliances	CE China RoHS	
Options		
Calibration & service	12 months	

NOTE: If the Dansensor LeakPointer 3 has been stored in a cold location and then moved to a warmer location, at least one hour of acclimatisation is required before switching on the unit. If operated in a cold and high humidity environment, it is advisable to let the Dansensor LeakPointer 3 heat up for 5-10 minutes after it has been switched on. Specifications subject to change without notice. Further specifications are available in the User Guide.

Probro-PTPS-Dansensor LeakPointer 3_LeakPointer 3+-EN-3

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