

Dansensor® LeakPointer® 3 LeakPointer® 3+

FAST, PRECISE AND NON-DESTRUCTIVE LEAK DETECTION



Benefits

- Non-destructive leak testing
- Reliable quality control of MAP – test packaging line setting and shelf life parameters
- Easy operation with intuitive graphics
- Fast and accurate, even when testing multiple packages at once
- Avoid inconsistencies and protect brand integrity

Features

- Find leaks as small as 50 microns – hole size calculated automatically
- Test auto-starts when lid closes
- Easy operation and set-up with intuitive touch screen
- Auto data collection and optional export via LAN or USB
- Optional text fields, validation and prompts
- Integrated Delta-P meter used to determine test settings
- Add USB barcode scanner or printer to simplify workflows
- PackFix, PackBase and PackTray accessories improve accuracy and convenience
- Pair with LeakPointer H₂O to pinpoint location of leaks

Leak tester for quality control of Modified Atmosphere Packages (MAP)

Quality control of packages at the packaging line helps ensure that sealing settings are correct, inconsistencies are caught early and recalls are avoided.

Dansensor® LeakPointer® 3 and LeakPointer® 3+ provide reliable, non-destructive leak detection for food packaging. Fast and precise test results help you get back on track quickly when leaks occur. These highly accurate instruments detect even the smallest leaks (<50 microns) to keep compromised packages from reaching retailers and consumers, and to help you calculate suitable shelf life parameters.

The testing set-up is simple and easy to manage while the icon-based, multilingual touch screen provides an intuitive user interface. Just place the package, select the correct product on screen and close the lid to begin the test.

Designed for speed, Dansensor LeakPointer 3 can test up to 6 packages per minute (10 second test cycle). With its larger chamber, Dansensor LeakPointer 3+ can test larger packages or multiple packages at once, but has a slightly longer test cycle (10-35 seconds).

HOW DOES IT WORK?

DATA SHEET

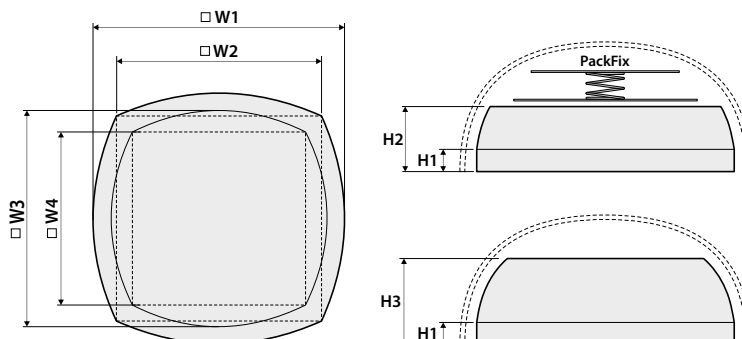
1: Select the correct program using the touch screen or a barcode scanner.

2: Place the package in the chamber and close the lid. The test starts automatically.

3: A vacuum is drawn, and if there is a leak, the pressure difference causes the CO₂ inside the package to leak into the chamber where it is detected and measured.

4: When the test is complete, the chamber opens and the display will show either "OK" or "Leak".

Use these illustrations to find maximum product size. Values below in table.



Technical Specifications

Available configurations	Dansensor LeakPointer 3							Dansensor LeakPointer 3+						
Applications	Non-destructive leak tests on individual flexible or rigid MAP packages							Non-destructive leak tests on individual or multiple flexible or rigid MAP packages						
Maximum product size (mm)	W1	W2	W3	W4	H1	H2	H3	W1	W2	W3	W4	H1	H2	H3
With PackFix	325	265	300	250	40	75	-	465	378	420	340	40	117	-
Without PackFix	325	265	260	220	40	-	113	465	378	363	291	40	-	155
Air supply and consumption	5.5 ± 0.5 bar (80 ± 7 psi); Ø6/4 mm hose Approx. 33 L per measurement; max. 162 L/min							Integrated vacuum pump						
Power supply and consumption	100-264 VAC + PE, 50/60 Hz; max. 50W							(115V) 103-127 VAC + PE, 57-63 Hz; max. 900 W (230V) 207-253 VAC + PE, 47-53 Hz; max. 900 W						
Vacuum pressure	50-750 mbar							50-800 mbar						
Dimensions (lid open) WxDxH; weight	400 x 617 x 698 mm; 20 kg							555 x 812 x 981 mm; 50 kg						
Sensor type	NDIR CO ₂ sensor, single beam													
Test time	10-35 seconds													
Measurement units and accuracy	Single package mode: estimated diameter of reference hole in microns - minimum 50 microns Multiple package mode: measured increase of CO ₂ in ppm/s													
CO ₂ content in packages	Minimum 10%													
Ambient CO ₂ level	Max 4500 ppm, recommended <1500 ppm													
Ambient temperature	Operational: +2°C to +35°C Storage: -20°C to +60°C													
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													
Number of test definitions	999													
Data collection capacity and export	Stores test data from up to 1,000,000 tests; export to CSV file													
Connectivity	LAN: RJ-45 Ethernet 10/100 Mbit/s, DHCP client or fixed IP USB: 2 x USB (2.0 - Type A)													
Accessories	PackBase (1 incl. for units sold with PackFix), PackFix, PackTray, Leak Simulation Kit, Barcode scanner													
Calibration and service	12 months													
Compliances	CE, China RoHS													

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