

LEAK DETECTION SYSTEM

LEAK-MASTER® EASY



Leak detection “bubble test” for packages.

LEAK-MASTER® EASY features detection of even the smallest leaks.

The package is placed into a chamber filled with water. Then the head space above the water level is evacuated using a venturi vacuum (compressed-air) system. As a result, the package immersed in water inflates. If there is a leak, air or filling gas escapes as a visible stream of bubbles.

Benefits

- economical and uncomplicated
- visual inspection allows localization of the leak
- for all flexible and rigid packaging types
- short testing time (< 30 sec.)
- easy-to-use intuitive system – no special skills required
- easy installation and start-up
- no trace gas required in the package
- can also be used for altitude simulation
- optional accessory for vacuum packaging, vacuum set: Part No. 956992700
- no calibration required
- various chamber sizes available
- low maintenance
- easy-to-clean Perspex housing
- no vacuum pump necessary
- no electrical connections



further information on
www.leak-master.net

► Video

Type	LEAK-MASTER® EASY
Testing principle	visual
Calibration	not required
Vacuum	max. 200 mbar (2.9 psi) abs., adjustable
Vacuum generation	compressed air powered venturi injector
Compressed air pressure	min. 6 bar (87 psi), max. 8 bar (116 psi)
Connection	G 1/4
Minimum flow rate	300 l/min.
Accessories (incl.)	hose connection OD 8 mm hose connection OD 12 mm adapter G 1/4 M to 1/4" NPT
Housing	Perspex
Approvals	Company certified according to ISO 9001 and ISO 22000 for food-grade gases according to: Regulation (EC) No 1935/2004

Our manyfold accessories:

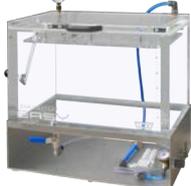
- Control unit PLUS: portable controller with various predefined measurement programmes, also for documentation of your measuring results
- Vacuum testing set: for testing vacuum packaged products and products with low gas volumes
- WITT-Flocculant 50: for long use of water filling
- AD100: calibrated pressure gauge with DKD/ DAkkS-certificate
- Vacuum holding valve: blocks the chamber after generation of vacuum. Perfect for longer test periods without permanent use of compressed air

Find more details of accessories on the following pages.

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Models		inner chamber size approx. in mm (inches) HxWxD	overall dimension approx. in mm (inches) HxWxD	Weight approx. in kg (lb)
	EASY 1 Part No. 5901LME-001	165 x 305 x 195 (6.5 x 12.0 x 7.7)	535 x 440 x 300 (21.1 x 17.3 x 11.8)	17 (37)
	EASY 2 Part No. 5901LME-002	205 x 505 x 310 (8.1 x 19.9 x 12.2)	580 x 650 x 420 (22.8 x 25.6 x 16.5)	35 (76)
	EASY 3 Part No. 5901LME-003	275 x 525 x 360 (10.8 x 20.7 x 14.2)	660 x 705 x 485 (26.0 x 27.8 x 19.1)	55 (121)
	EASY 4 Part No. 5901LME-004	320 x 625 x 500 (12.6 x 24.6 x 19.7)	900 x 840 x 630 (35.4 x 33.1 x 24.8)	108 (238)
	EASY 5 Part No. 5901LME-005	340 x 760 x 500 (13.4 x 29.9 x 19.7)	920 x 970 x 630 (36.2 x 38.2 x 24.8)	120 (265)

Optional vacuum set: Part No. 956992700

The LEAK-MASTER® EASY Leak Detectors can be used to perform a variety of ASTM test methods for detecting leaks and seal integrity.	
ASTM D3078	Standard Test Method for Determination of Leaks in Flexible Packaging by Bubble Emission
ASTM D6653	Standard Test Methods for Determining the Effects of High Altitude on Packaging Systems by Vacuum Method
ASTM D4169	Standard Practice for Performance Testing of Shipping Containers and Systems
ASTM D4991	Standard Test Method for Leakage Testing of Empty Rigid Containers by Vacuum Method
ASTM D5094	Standard Test Methods for Gross Leakage of Liquids from Containers with Threaded or Lug-Style Closures
ASTM F2096	Standard Test Method for Detecting Gross Leaks in Packaging by Internal Pressurization (Bubble Test) – Using our optional adapter

LM3 USA - 101/D6 subject to change