

LEAK DETECTION FOR LARGE PACKAGES

LEAK-MASTER® PRO



Leak detection for large packages or boxes, based on CO₂-technology. LEAK-MASTER® PRO features non-destructive detection of the smallest leaks without the need for costly Helium.

Benefits

- minimal response time
- quick product change
- for flexible and rigid packs
- no calibration required
- operator friendly – data and process parameter entry by means of integrated keyboard or remote personal computer (e.g. MS-Excel®)
- easy-to-use intuitive system – no special skills required
- convenient data administration and evaluation for customer-oriented quality documentation
- two chamber sizes (HxWxD) 140 x 680 x 500
230 x 680 x 500
- easy installation and start-up
- easy-to-clean, splash-proof stainless steel cabinet/ housing
- remote transmission of results via Ethernet
- potential free alarm contact for connection of external audible/visual device



further information on
www.leak-master.net

For non-destructive testing of smaller packages
see LEAK-MASTER® PRO 2

Options

- barcode reader for simple and quick user/product selection
- wireless data transmission via WLAN (WIFI)




Type	LEAK-MASTER® PRO	Alarms	potential free contact max. 250 V AC or 24 V DC/2 A
Measuring System	infrared measuring cell for CO ₂	Interfaces	Ethernet (WLAN optional)
Measuring range	0 ppm - 5 000 ppm	Cabinet / Housing	stainless steel, IP 54 (splash-proof)
Resolution	1 ppm	Approvals	Company certified according to ISO 9001 and ISO 22000 CE marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU - Machinery safety 2006/42/EC for food-grade gases according to: - Regulation (EC) No 1935/2004
Warm-up time	approx. 10 min.		
Calibration	not required		
Response time of the sensor	approx. 1 sec.		
Leak testing cycle	depends on leak size, CO ₂ -percentage in package, size of chamber		
Vacuum	max. 50 mbar abs.		

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Two chamber sizes – 100%-analysis especially for large packages or boxes, e.g. E2.

Model	Chamber-size approx. in [mm] (inches) (H x W x D)	Cabinet / housing-size approx. in [mm] (inches) (H x W x D)	Weight approx. [kg] (lb)	Pump capacity [kWh]	Pump suction capacity [m³/h] (SCFH)	Voltage
 LM 12.1	230 x 680 x 500 (9.1 x 26.8 x 19.7)	1 025 x 760 x 855 (40.4 x 29.9 x 33.7)	225 (496)	2.20	100 (3 531)	400 V AC
	LM 12.2	140 x 680 x 500 (5.5 x 26.8 x 19.7)	1 025 x 760 x 855 (40.4 x 29.9 x 33.7)	225 (496)	1.50	63 (2 225)

Caution!

This equipment is not suitable for the checking of packaging featuring O₂ content greater than 20.9% (fresh meat, for example).

For non-destructive testing of smaller packages see LEAK-MASTER® PRO 2.