



Micro-Leak Detection System

Especially durable and low in maintenance

Micro-leak detection system for packages based on CO₂. Leak Master® Pro 2 features non-destructive detection of the smallest leaks without the need for costly Helium. Evacuated chamber with the help of a compressed air operated Venturi nozzle (optionally also with electric vacuum pump). Status indication by LED lighting of chamber.

Benefits

- visual indication of status via LED lighting
- short testing period by minimal response time
- quick product change
- for flexible and rigid packs
- especially durable and low in maintenance
- no calibration required
- standardised test processes - user independent
- 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
- various chamber sizes (see back side)
- easy installation and start-up
- easy to clean splash-proof stainless steel and acrylic glass cabinet / housing
- remote transmission of results via Ethernet

Options

- Barcode Reader with IP-protection for simple and quick user/product selection
- with electrical vacuum pump

Status



Measuring



Leak



OK

Leak Master® Pro 2



Water bubblers are becoming more and more popular

Better safe than sorry!

We have good news for the cylinder fillers:
Fast and reliable leak testing of CO2 cylinders for Sparkling Water Maker.

Contact us, we will be happy to advise you.



Technical Data	
Type	Leak Master® Pro 2
Measuring System	infrared measuring cell for CO2
Measuring range	0 ppm - 5.000 ppm
Resolution	1 ppm
Leak size measurements	> 10 µm (depending on the product and the test conditions)
Warm-up time	approx. 10 min.
Calibration	not required
Response time of the ensor	approx. 1 sec.
Leak testing cycle	depends on leak size, CO2-percentage in package, size of chamber
Vacuum	max. 200 mbar abs. (approx. -800 mbar to ambient pressure), adjustable
Vacuum generation	compressed air powered venturi injector
Compressed air pressure	min. 6 bar, max. 8 bar
Status	LED lighting
Interfaces	Ethernet (W-LAN optional)
Cabinet / Housing	stainless steel, acrylic glass IP 54 with closed chamber
Approvals	Company certified according to: ISO 9001:2015 CE-marked according to: EMV 2014/30/EU Low Voltage Directive 2014/35/EU for food-grade gases according to: Regulation (EG) No 1935/2004

Our Chamber sizes - for sample analysing



Model	Chamber-size approx. [mm] (inch) (H x B x T)	Housing-size approx. [mm] (inch) (H x B x T)	Weight approx. [kg]	Voltage
LM 2.1	42 x 310 x 200 (1.7 x 12.2 x 7.9)	316 x 364 x 405 (12.4 x 14.3 x 15.9)	20,0	100 - 230 V 50 - 60 Hz, 50 W
LM 2.2	174 x 310 x 200 (6.9 x 12.2 x 7.9)	450 x 364 x 405 (17.7 x 14.3 x 15.9)	23,5	100 - 230 V 50 - 60 Hz, 50 W
LM2.3	100 x 460 x 305 (3.9 x 18.1 x 12.0)	462 x 556 x 557 (18.2 x 21.9 x 21.9)	35,0	100 - 230 V 50 - 60 Hz, 50 W

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



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We control GASES - since 1978

