



## Micro-Leak Detection System

### For large packages

Leak detection for large packages or boxes, based on CO<sub>2</sub>-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 /
- Potential free alarm contact for connection of external audible/visual device

#### Options

- Barcode Reader with IP-protection for simple and quick user/product selection
- Wireless data transmission via W-LAN (WIFI)

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

Model	Chamber-size approx. in [mm] (H x W x D)	Cabinet /housing size approx. in [mm] (H x W x D)	Weight approx. [kg]	Pump capacity [kWh]	Pump suction capacity [m <sup>3</sup> /h]	Voltage
LM 12.1	230 x 680 x 500	1 025 x 760 x 855	225	2.20	100	400 V AC
LM 12.2	140 x 680 x 500	1 025 x 760 x 855	225	1.50	63	400 V AC

Caution! This equipment is not suitable for the checking of packaging featuring O<sub>2</sub> content greater than 20.9% (fresh meat, for example).



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
Measuring system	Infrared measuring cell for CO2
Measuring range	0 ppm - 5.000 ppm
Resolution	1 ppm
Warm-up time	Approx. 10 min.
Calibration	Not required
Response time	Approx. 1 sek.
Leak testing cycle	Depends on leak size, CO2-percentage in package, size of chamber
Vacuum	Max. 50 mbar abs.
Alarms	Potential free contact max. 250 V AC or 24 V DC/2 A
Interfaces	Ethernet (W-LAN optional)
Housing	Stainless steel, IP 54 splash-proof
Approvals	<p>Company certified according to: ISO 9001:2015</p> <p>CE marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU - Machinery safety 2006/42/EC</p> <p>For food-grade gases according to: - Regulation (EC) No 1935/2004</p>



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For non-destructive testing of smaller packages



### Leak Master® Pro 2

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.