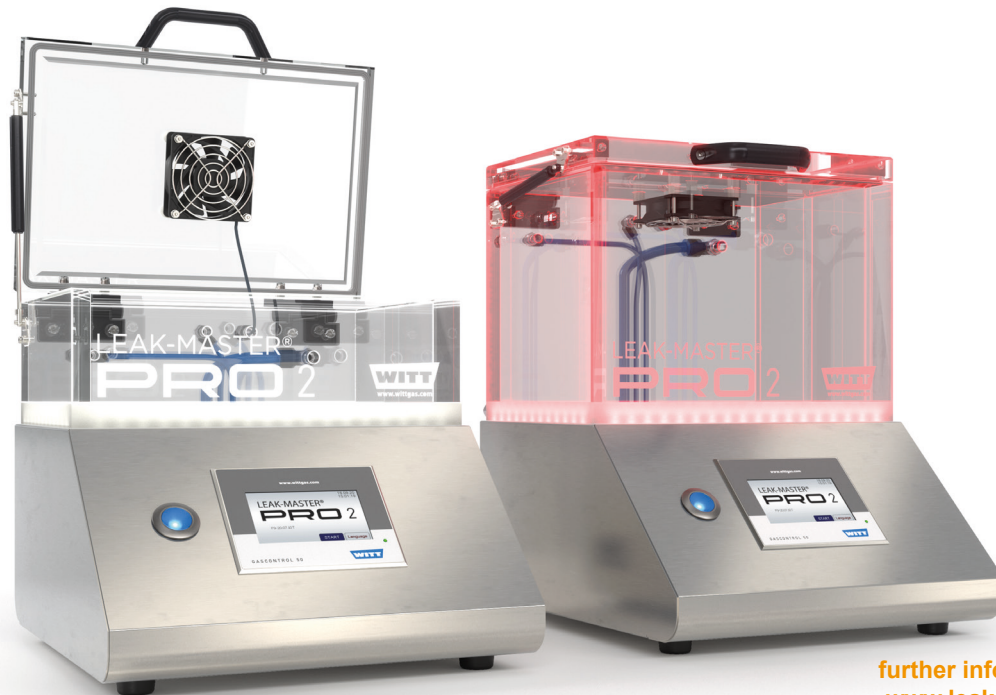


# LEAK DETECTION SYSTEM

## LEAK-MASTER® PRO 2



further information on  
[www.leak-master.net](http://www.leak-master.net)

► Video

**Micro-leak detection system for packages based on CO<sub>2</sub>. 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
- 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
- leak simulation kit for testing and defining acceptable leak rates
- optionally with electrical vacuum pump as an alternative to operation with compressed air for model LM 2.1 and LM 2.2  
– not retrofittable (please indicate prior to order)

### Status:

**Measuring**



**Leak**



**OK**

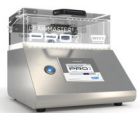





# LEAK DETECTION SYSTEM

## LEAK-MASTER® PRO 2

<b>Type</b>	LEAK-MASTER® PRO 2	<b>Compressed air pressure</b>	min. 6 bar, max. 8 bar
<b>Measuring System</b>	infrared measuring cell for CO <sub>2</sub>	<b>Status</b>	LED lighting
<b>Measuring range</b>	0 ppm - 5 000 ppm	<b>Interfaces</b>	Ethernet (WLAN optional)
<b>Resolution</b>	1 ppm	<b>Cabinet / Housing</b>	stainless steel, acrylic glass IP 54 with closed chamber
<b>Leak size measurements</b>	> 10 µm (depending on the product and the test conditions)	<b>Approvals</b>	Company certified according to ISO 9001 and ISO 22000  CE marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU
<b>Warm-up time</b>	approx. 10 min.		
<b>Response time of the sensor</b>	approx. 1 sek.		
<b>Leak testing cycle</b>	depends on leak size, CO <sub>2</sub> -percentage in package, size of chamber		
<b>Vacuum</b>	max. 200 mbar abs. (approx. -800 mbar to ambient pressure), adjustable		
<b>Vacuum generation</b>	compressed air powered venturi injector		for food-grade gases according to: - Regulation (EC) No 1935/2004

### Our chamber sizes – for sample analysing

Model	Chamber-size approx. in [mm] (inch) (H x W x D)	Cabinet / housing-size approx. in [mm] (inch) (H x W x D)	Weight approx. in [kg]	Voltage
 <b>LM 2.1</b>	45 x 310 x 200 (1.8 x 12.2 x 7.9)	335 x 370 x 515 (13.2 x 14.6 x 20.3)	20.0	100 - 230 V 50 - 60 Hz 50 W
 <b>LM 2.2</b>	175 x 310 x 200 (6.9 x 12.2 x 7.9)	470 x 370 x 515 (18.5 x 14.6 x 20.3)	23.5	100 - 230 V 50 - 60 Hz 50 W
 <b>LM 2.3</b>	100 x 460 x 305 (3.9 x 18.1 x 12.0)	470 x 560 x 640 (18.5 x 22.0 x 25.2)	35.0	100 - 230 V 50 - 60 Hz 50 W
 <b>LM 2.4</b>	100 x 380 x 380 (3.9 x 15.0 x 15.0)	470 x 480 x 715 (18.5 x 18.9 x 28.1)	35.0	100 - 230 V 50 - 60 Hz 50 W

#### 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).**