▶ **LEAK DETECTION SYSTEM**

LEAK-MASTER® PRO 2

GAS
WITT
let's Be One

Made in Germany

Product of **WITT**
www.wittgas.com

LEAK DETECTION SYSTEM
LEAK-MASTER® PRO 2

ViVANGAS
Control and Safety
Solution - Engineering- Equipment

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
- optionally with electrical vacuum pump as an alternative to operation with compressed air – not retrofittable (please indicate prior to order)
- software GASCONTROL CENTER for recording of results (see separate data sheet)
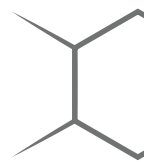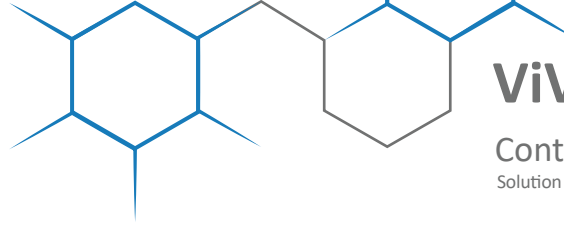
Status

Measuring

Leak

OK

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Type	LEAK-MASTER® PRO 2
Measuring System	infrared measuring cell for CO_2
Measuring range	0 ppm - 5 000 ppm
Resolution	1 ppm
Leak size measurements	> 10 µm (depending on the productand and the test conditions)
Warm-up time	approx. 10 min.
Calibration	not required
Response time of the sensor	approx. 1 sek.
Leak testing cycle	depends on leak size, CO_2-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 (WLAN optional)
Cabinet / Housing	stainless steel, acrylic glass IP 54 with closed chamber
Approvals	Company certified according to ISO 9001and 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

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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
LM 2.1	42 x 310 x 200 (1.7 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
LM 2.2	174 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
LM 2.3	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
LM 2.4	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 O2 content greater than 20.9% (fresh meat, for example).

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Gas Control Equipment

- Gas Mixing Systems
- Gas Metering systems
- Gas Analysers
- Gas Pressure Vessels
- Engineering Of Customised Systems

Gas Safety Equipment

- Flashback Arrestors
- Non-return Valves
- Quick Couplings
- Safety Valves
- Stainless Steel Devices
- Gas Filters
- Pressure Regulators
- Lance Holders
- Ball Valves
- Automatic Hose Reels
- Test Equipment
- Accessories
- Customised Safety Devices

M.A.P Equipment

- Gas Mixing Systems
- Gas Analyzers
- Leak Detection Systems
- Modified Atmosphere Packaging Solution

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