

AtmoCheck® LT

Leak tester for CO2 cylinders

Highly precise, reliable and fast

As an alternative to purchasing bottles of sparkling water in PET & glass bottles, more and more households and companies are using carbonation devices to create on demand sparkling mineral water. There is a significant economic and environmental benefit.

These devices utilise CO2 cylinders that require refilling before being resupplied back into the market. After repeated refilling, leaks can occur at the output valves, which at the point of refilling, cannot be detected by traditional methods e.g. leakage spray.



To prevent dangerous leaking cylinders reaching the trade and private markets (or even an empty cylinder leading to customer complaints), all cylinders should be checked for even the smallest leaks, directly after filling.

AtmoCheck® LT is an effective quality control instrument for simultaneously leak testing up to 8 or more (optional) CO2 cylinders. Even the smallest leaks can be detected using our reliable CO2 infrared sensor technology.

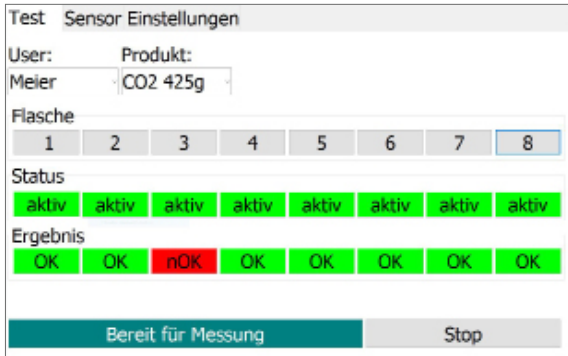
This unit provides you with a highly reliable leak test procedure in order to increase your quality assurance and safe handling of gases!

By means of compressed air and a venturi nozzle a slight vacuum is created at the extraction valve. Highly sensitive CO2 infrared sensors draw in the sample gas and detect even the smallest CO2 concentrations in the ppm range. The measuring times (<10 sec.) and threshold target values can be freely assigned, so you can individually identify the leaking cylinder(s) and immediately remove it/them from production.

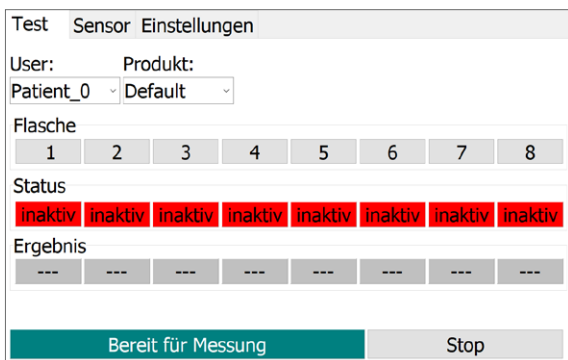
AtmoCheck® LT allows configuration of user and product settings, passwords and data logging configuration etc.

All highlights at a glance

- ⇒ Fast, reliable leak test
- ⇒ Precise CO2 detection of single cylinders
- ⇒ Short test time (<10 sec.)
- ⇒ Suitable for almost all 425g CO2 cylinders
- ⇒ No additional leakage test procedure required
- ⇒ Calibration not necessary
- ⇒ Simple, intuitive operation - no trained specialist personnel required
- ⇒ Different chamber sizes available
- ⇒ Easy installation and commissioning
- ⇒ Low maintenance
- ⇒ Easy maintenance due to stainless steel housing
- ⇒ No vacuum pump required
- ⇒ Operation with compressed air



Simple and intuitive user interface



Leak tests are performed with high-precision NDIR sensors

User interface

- ⇒ Touch screen display 10"
- ⇒ User administration
- ⇒ Product data management
- ⇒ Easy user selection
- ⇒ Quick product change
- ⇒ Password protected menus
- ⇒ Multilingual version available
- ⇒ Intuitive operation

Measurement data memory

- ⇒ Product details
- ⇒ Measuring time
- ⇒ Measurement result
- ⇒ Date and time
- ⇒ Name of the examiner

Technische Daten

Measuring principle	NDIR measuring cell for CO2	Compressed air	Min. 4 bar compressed air supply
Measuring range	0 ppm – 5000 ppm / 0-5 Vol%	Interfaces	Ethernet, USB
Resolution	Better than 1 ppm	Alarm display	Status display, Optional: pot. free relay contact per CO2 cylinder
Warm up phase	1 minute	Housing	Stainless steel, splash-proof
Response time Sensors	< 1 sec.	weight	Approx. 40 kg
Duration of test cycle	Depending on customer-specific settings, normally approx. 10 sec.	Dimensions	(DxWxH) 750 x 785 x 400 mm
Vacuum	Max. 800 mbar abs.	Power supply	230 V AC
Manufacturing Accreditations and Standards			
CE marked			

* MS Windows is required to use the AtmoCheck Data Logger software