



AtmoCheck® COVER

Mobile Gas Analysis Device for random and In-Line measurements of technical gases

AtmoCheck® COVER is a practical, battery-operated Oxygen and Carbon Dioxide analyser for the random analysis of e.g. protective gas food packaging (MAP packaging) or the inline control of Argon and Carbon Dioxide welding gas mixtures.

AtmoCheck® COVER is characterised by its simple and intuitive operation, short measurement time and low sample volume. Our integrated data logging software supports traceability to facilitate complete documentation (HACCP/IFS/ ISO). It is therefore the ideal device for fast, reliable and precise testing, either directly at the packaging machine, in the warehouse or in the quality assurance laboratory.

AtmoCheck® COVER is optionally available as an in-line analyser for almost all technical gases, Being capable of accepting inlet pressures of up to 16 bar means that it can be used directly in-line with proproduction gas lines.

As an option AtmoCheck® COVER can be equipped with a heating element in order to ensure reliable operation, even in extremely cold environmental conditions. This option also helps to prevent damage to electrical components caused by condensation, which can occur when the instrument is moved from one temperature to another.

The AtmoCheck® software provides fast and uncomplicated communication, is safe to use and is equipped with everything required to upgrade from manual handwritten to automatic electronic recording of all measurement data that is easily transferred to your computer.

Application areas

- ➔ Quality Assurance
- ➔ Food Technology
- ➔ Cutting and Welding
- ➔ Customised solutions

All highlights at a glance

- ➔ Simple intuitive operation
- ➔ Large, easy to read, illuminated graphical display
- ➔ Measuring time < 10 sec.
- ➔ Small sample gas requirement
- ➔ Easy cleaning
- ➔ Long service life due to robust design
- ➔ Optional: Display of N2 or Ar
- ➔ Integrated measurement memory
- ➔ Easy transmission and analysis of the measured data
- ➔ Open all data in MS-Excel for trending and analysis
- ➔ Configurable for each type of quality control
- ➔ Easy setup via the supplied data-logging software
- ➔ USB port for data transfer and battery charging
- ➔ Cordless operation possible due to battery operation
- ➔ Optional: also available as an In-Line Version
- ➔ Optional: integrated heating for use in cold environments

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Accessories



The AtmoCheck® COVER Manual as PDF file and our Data Logging Software is on the supplied USB flash drive.

The AtmoCheck® data-logging software gives fast and uncomplicated communication. Simply installed from the supplied USB stick.



The AtmoCheck® COVER Charger for integrated battery, supplied with Universal Power Plug Adapters



Option: Data cable USB 2.0 length approx. 1 meter



40 pcs. self-adhesive sealing tabs



suction tube



Suction needle in protective cartridge



2 pcs. Filter

Technical Data

Measuring principle	O2 electrochemical measuring cell* / CO2 NDIR sensor**	Temperature	Gas and/or Environment: 5 – 40 °C
Measuring range	0-100%; in 0,1% steps	Display	Graphic display with backlight
Measuring time	Approx. 10 sec	Switch off	Automatically after 2 minutes of non-use
Calibration	Simple 2-point calibration	Housing	Shock-resistant plastic
Sampling method	Automatically via needle with integrated suction pump Option: In-Line version without suction pump	Weight	Approx. 2 kg
Memory capacity	Circulating memory for 1000 measured values	Dimensions	(HxWxD) 120 x 195 x 260 mm
Interface	USB-Port	Power supply	Integrated rechargeable battery (charger included)
Software	AtmoCheck® Data Logger Software***	Charger	110-240V 50Hz to 5V DC Other gases on demand

Manufacturing Accreditations and Standards

- Company certified according to ISO 9001:2015 - CE marked

* The estimated lifetime of the O2 sensor in air is max. 2 years

** The estimated life of the CO2 sensor is at least 5 years, depending on the environmental conditions

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

Further models from our product portfolio

AtmoCheck® ONE und DOUBLE
Hand analyser for control of protective gas packaging (MAP)



AtmoCheck® DESKTOP
Gas analyser for random Measurement of O2 and CO2



AtmoCheck® OPTIC
Optical oxygen analyser for easy sample measurement



AtmoMix® Gas mixer for 2 or 3 gases, with either preset or user adjustable gas mix ratios



Subject to change