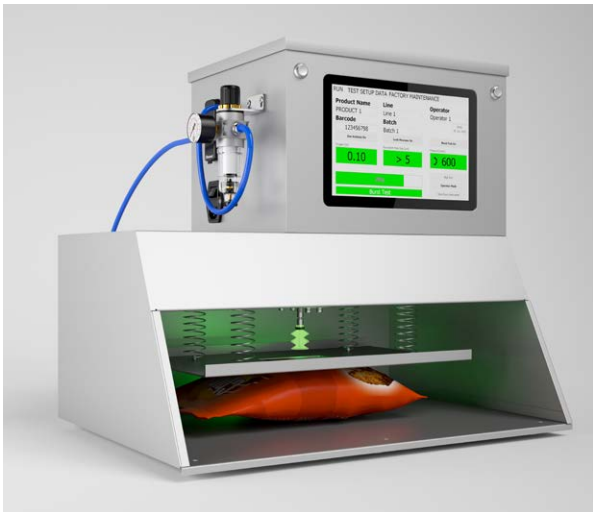

AtmoCheck® TPC-2

Semi-automatic Gas analyser with Leak detector & Burst tester in one single instrument

AtmoCheck® TPC-2 is a semi-automatic Gas analyser with Leak detection and Burst tester in one single, easy to manage instrument.

AtmoCheck® TPC-2 has a Leak Tester sensitivity of 5 to 400 µm hole size and a Burst Test pressure from 0 to 1.600 mbar.
A Back-flush after each and every test ensures no blocked needles, ever.

Application Areas

- Modified Atmosphere Packaging
- Leak Detection
- Seal integrity & Burst Tester
- Oxygen (O2) / Carbon Dioxide (CO2) testing

All Highlights at a glance

- O2 + CO2 + Leak + Burst in one single, sequential test
- Leak tester sensitivity to 5 micron hole size, burst test pressure from 0 - 1.600 mbar
- Single, fast, sequential test includes all measurements
- O2 or O2 + CO2 with nitrogen balance
- Back-flush after each and every test ensures no blocked needles ever!
- Fully DIN 55508-1, ASTM F1140 and ASTM F2054 compliant
- Single instrument saves on factory space, maintenance, training & calibration costs
- Choice of "constant flow method" & "adaptive flow" techniques
- Zirconia or electrochemical oxygen sensor option
- Full electronic traceability via USB, ethernet or wireless.
- Large, bright 8 inch colour touch-screen and custom stainless steel case

All AtmoCheck TPC units are calibrated with certified hole sizes to make sure that the leak test gives you a high accurate and proper result. Hole sizes 0.5 – 5 mµ on request

Technical Data Next page

AtmoCheck® TPC-2

The AtmoCheck® TPC-2 is our top of the range instrument for total pack control. It removes human error by automating the sampling process and is able to perform measurement of Gas + Leak + Burst, in one single test.

With the semi automatic sampling process, companies can be assured of accurate readings, 100% of the time. The sampling system removes the need for septa (self adhesive foam pads) for airtight analysis and the back-flush ensures that the needle and gas circuit is purged completely after every single test, ensuring there is need to change needles, over and above the annual service.

The Leak detector works by gently inflating the pack to a very low target pressure and then measuring the flow to maintain that pressure. This flow rate can then be correlated to an equivalent hole size from 5 - 400micron.

The Burst function inflates the pack until it bursts. The highest pressure reached prior to bursting is recorded and this gives the operator critical information on the seal integrity of the pack. All the data can then be accessed on screen and or sent to a PC for further analysis and trending.

Technical Data

	Oxygen	Carbon dioxide
Technology	Electrochemical or Zirconia	NDIR
Accuracy	± 1% of the reading +0.01% O2	± 2% Full Scale
Resolution	0.01%	0.1%
Leak detection		
Technology	Mass flow sensor	
Accuracy	±2% Full Scale	
Resolution	0.1 ml/min – 0.1 mbar	
Scale	0 - 400ml/min	
Range	5 - 400 µm	
Sensitivity	5 -10 µm @ 20 mbars	
Burst		
Technology	Pressure sensor records highest pressure achieved before packs burst	
Range	0 - 1.600 mbar	
Accuracy	± 0.5% full scale	
Resolution	0.1 mbar	
Device		
Supplied with	Pressure regulator with filter; metal detectable stylus	
Options	Security door for TPC; Needle with closed end & side holes; Bar-code reader; Reference holes for instrument validation; Reference gas for instrument validation; Buffer tank for compressed air supply; Printer	
Dimensions	W x D x H: 560 x 405 x 515 mm	
Weight	15 kg	
Number of records	Unlimited (adjustable memory size)	
Ports	1 USB, 1 Ethernet	
Display	8 inch	
Keyboard	Touch panel , USB	
Power supply	100 -230 VAC – 50 -60 Hz	
Temperature	0 -40 °C	