

Dansensor® MultiCheck® 2

RELIABLE ALL-IN-ONE LEAK AND HEADSPACE TESTING SYSTEM



*Dansensor MultiCheck 2 with VTU
for complete package testing*

Fast and reliable combined headspace and leak testing for coffee packaging

By combining a headspace gas analyzer, leak detector and valve tester in one unit, the Dansensor® MultiCheck® 2 helps you achieve fast, consistent, and reliable quality control of your MAP packaging process.

Increase the uptime of your packaging line and avoid time consuming troubleshooting exercises. Equipped with specialized filters and sensors for coffee applications, it ensures the integrity of your MAP packaging, preserving your product's flavor and aroma and your brand's reputation. In addition, you reduce the risk of human error and improve traceability with dependable data capture and real time data transfer.

With the ability to conduct four tests in one – headspace gas analysis, leak detection, valve leak and valve release – the Dansensor MultiCheck 2 is 50% faster, takes less space, and is more user friendly than its predecessors.

The Dansensor MultiCheck 2 is designed for easy maintenance with a self-rinse program and replaceable filters, to preserve the accuracy of your measurements and ensure uptime.

Benefits

- Complete MAP quality control for coffee packaging
- Protect your brand and product
- Maximize uptime with quick and reliable package testing
- Easy to use
- All-in-one integrated solution 50% faster than previous models
- Reduce time troubleshooting issues and risk of human error

Features

- Four tests in one: headspace, leak, valve leak and valve release
- O₂ headspace measurements
- Optional degassing valve test unit (VTU)
- Test head with integrated sense probe
- Easy maintenance and cleaning
- Touchscreen with intuitive interface
- Individual user logins
- Store test settings for repeatability
- Data storage and real time data transfer
- USB port for connecting optional barcode scanner, keyboard or printer
- Compliant with ASTM F2095

HOW DOES IT WORK?

1. Place a septum on the package and, if the package has a degassing valve, seal the valve with tape.
2. Insert the test head through the septum and start the test. The instrument conducts headspace analysis, followed by a leak test.
3. (optional) Cut the degassing valve out of the package and insert it into the valve testing unit (VTU). Close the VTU and start the valve test.
4. The test results are automatically stored in the unit and can be exported to a USB flashdrive or real time data transfer.



Technical Specifications

Specifications	Dansensor MultiCheck 2	
Test types	Headspace gas analysis; leak detection (and leak options); optional valve and valve release tests	
Typical test time	60-90 seconds (combined headspace and leak test on 500 gram bag); dependent on test settings, package size, etc.	
Heating time (max)	10 min	
Applications	Coffee (ground and whole bean) bags and packaged pillow packs	
Package size (max)	5 liters	
	Headspace analysis	Leak detection
Sample volume (typical)	25.7 ml	n/a
Measuring range	0-100% O ₂	10-1000 mbar (0.15-14.5 psi) VTU mode 0-350 mbar (0-5 psi) Low range: 10-350 mbar High range: 350-1000 mbar
Accuracy of measurement	±0.25% O ₂ + 2% of reading	Low range: ±0.5 mbar (0.007 psi) or ± 0.5% of reading High range: ±5 mbar (0.07 psi) or ± 0.5% of reading
Number of test definitions	999	
Data collection capacity	Test data from more than 100,000 tests	
Data export	Stored data to CSV file (USB) or real time data transfer CSV-string per test (RJ-45)	
Dimensions (WxDxH) and weight	Instrument: 304 x 236.5 x 185 mm (12" x 9.3" x 7.3") 4.4 kg (9.7 lbs) Stand + test head: 250 x 330 x 410 mm (9.8" x 13.0" x 16.1") 4.0 kg (8.8 lbs)	
Calibration and service	12 months	
Ambient temperature	Operational: +2°C to +35°C Storage: -20°C to +60°C	
Relative humidity	Operational: 10 to 90 %RH (non-condensing) Storage: less than 95 %RH (non-condensing)	
Ambient pressure	Operational: 750-1050 mbar	
Power supply and consumption	External PSU, 100-240 VAC, 47-63 Hz Max 40W	
Air supply pressure and connection	2-5 bar Ø6/4mm tube DIN ISO 8573-1:2010 [4:4:3]	
Air consumption	Max 5 L/min (depending on test settings)	
Connections	LAN: RJ-45 Ethernet 10/100 Mbit/s, DHCP client or fixed IP USB: 1 x Host, USB 2.0 Type A; 1 x Device, USB 2.0 Type B (max current 500 mA)	
Consumables and accessories	Septa VTU (valve test unit)	
Warranty	12 months	
Compliance	CE, China RoHS II	
Standards	ASTM F2095, ISO 11607	

Specifications subject to change without notice. Further specifications are available in the User Guide.