



Multicheck® 2 all-in-one leak and headspace testing system

By combining a headspace gas analyzer, leak detector and valve tester in one unit, the 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 applications like coffee, 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 MultiCheck 2 is 50% faster, takes up 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
- 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

Specifications

Test types:

Dansensor MultiCheck 2

Headspace gas analysis; leak detection (burst and leak options); optional valve and valve release test

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:

Most MAP applications, including coffee bags and packaged pillow packs

Package size:

(max) 5 liters

Sample volume (typical):

25.7 ml

Measuring range:

0-100% O2

Leak detection

n/a

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% O2 + 2% of reading

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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

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: 750-1100 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 10 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



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