

Dansensor® CheckPoint® 4

SUPERIOR PORTABLE HEADSPACE ANALYZER



Portable gas analyzer for quick and precise quality control

The Dansensor® CheckPoint® 4 is the most advanced portable gas analyzer on the market, enabling you to quickly and easily test O₂ and CO₂ levels in Modified Atmosphere Packages (MAP) of any shape or size. It delivers accurate headspace readings on all types of products, bringing fast, reliable quality control to your packaging process.

Designed for ease of use, the intuitive user interface, touchscreen, and ten language options ensure operators can execute tasks efficiently, with minimal training. It minimizes the risk of human error and maximizes overall productivity.

Premium models offer data traceability and security with individual user logins, product definitions, and reliable storage of up to one million readings. Transfer data directly via WiFi, eliminating the need for vulnerable paper records.

Dansensor CheckPoint 4 is perfect for manufacturers looking for a robust and reliable portable quality control instrument to use at their packaging line.

Benefits

- Highest reliability of any portable headspace analyzer
- Quick and easy to use
- Eco-friendly sensors – RoHS compatible
- Convenient cordless design
- Durable and robust for production environments
- Affordable quality control
- Trusted manufacturer and service provider for over 40 years

Features

- O₂ or combined O₂/CO₂ measurements
- Different sensor options ensure compatibility with all applications
- Easy-to-read touchscreen with 10 language options minimizes training time and risk of errors
- Gas flow alarm (visual)
- Energy-saving auto shutdown
- Convenient, robust charging port
- Optional protective covers
- Use standard, low-cost needles

Premium features:

- Data collection and transfer via WiFi
- Store up to 100 user profiles, 1000 products, and 1 million readings

HOW DOES IT WORK?

1: Insert the needle into the package through the septum and start test with the touch of a button.

2: Within seconds, the Dansensor CheckPoint 4 displays the O₂ or O₂ and CO₂ levels inside the package.

3: On Premium models, data is saved to the instrument and can be transferred to your database via WiFi for traceability. The optional web interface provides statistical data for documentation.



Web interface displays statistics and graphs.



Model Overview

Model	Product definitions	Readings saved	User accounts	WiFi data transfer	Web interface option
CheckPoint 4	1	1	✗	✗	✗
CheckPoint 4 Premium	100	500/product	10	✓	✓
CheckPoint 4 Premium+	1000	1 million	100	✓	✓

Note: It is not possible to upgrade between the different models.

Technical Specifications

Available configurations	O ₂ (optical sensor)	O ₂ (electrochemical sensor)	CO ₂ (infrared single beam sensor)
Sample volume (minimum)	5 ml	5 ml	5 ml
Sample time (minimum)	7 sec	7 sec	7 sec
Measuring range	0-100%	0-100%	0-100%
Resolution	0.01% oxygen	0.01% oxygen	0.01% carbon dioxide
Accuracy	±(0.25% O ₂ + 2% of readout)	±(0.25% O ₂ + 2% of readout)	±2% CO ₂ in range 0-20% ±3% CO ₂ in range 20-100%
Applications	Most food applications, except those that utilize alcohol (i.e. fresh bread)	All food applications	Most food applications with carbon dioxide
Calibration and service*	12 months	6 months	12 months
Data export	WiFi (WPA, WPA 2, WPA enterprise)		
Dimensions & weight	77 x 100 x 175 mm (HxWxD), 0.7 kg		
Ambient temperature	Operational: 0 to +40°C		
Relative humidity	Operational: 10 to 90 %RH (non-condensing) Storage: less than 95 %RH (non-condensing)		
Power supply	Battery powered; up to 2000 measurements on a fully charged battery at 20 °C; recharge time maximum 5 hours		
Consumables and accessories	Standard consumable kit (1 sampling kit, 1000 septa, 10 needles (Ø 0.8) & 10 water trap filters), metal needles, can piercer for testing cans		
Warranty	12 months		
Compliance	CE, RoHS, China RoHS		
What's included in the box?	100 septa, 10 needles (Ø 0.8), 10 water trap filters, power supply w/interchangeable plugs (US, EU, AU, UK, CN)		

Specifications subject to change without notice.
* Sensor lifetime depends on usage patterns.



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