



Handheld Gas Analyzer

Gaspace GSP1 & GSP2

The GSP1 and GSP2 are handheld, portable gas analyzers for testing Modified Atmosphere Packaging (MAP) products.

Each analyzer has a small, robust design makes it useful tool for either Oxygen or Oxygen/Carbon Dioxide combined gas measurements, using a syringe needle for gas sampling.

Its portable design and highly accurate readings makes it a very practical tool for gas measurement analysis.

Analysis

The GSP1 model can test for oxygen and the GSP2 model can test for both oxygen and carbon dioxide. The handheld gas analyzer tests for oxygen using an electrochemical sensor, and uses an NDIR sensor for carbon dioxide testing.

Applications

Gas analyzer for testing Modified Atmosphere Packaging (MAP) products across multiple industries, including the pharmaceutical industry and the food and beverage industry.

Features & Benefits

- Small compact hand-held gas analyzer
- High measuring accuracy due to state-of-the-art technology
- Battery operated and can be powered by rechargeable batteries
- Capable of over 2500 measurements
- Memory function of 40 measurements
- O₂ or O₂/CO₂ combined
- Short measuring time
- Low sample gas volume
- Easy calibration
- Robust and sturdy design
- Rugged carrier case
- Integrated needle protection/storage

Power supply

Rechargeable battery powered
(over 2,500 measurements)

Weights & Dimensions

Weight	0.45kg
Dimensions	43mm (H) x 75mm (W) x 160mm (D)

Technical Specification

GSP1 Handheld Analyzer

Measurement	O ₂ (Electrochemical)
Key features	Not cross-sensitive to alcohol or carbon monoxide. Electrochemical sensors have an expected lifetime of 2 years in air
Sample volume	Minimum 10mL at 6 seconds
Sample time	6-10 seconds
Measuring range	0-99.9%
Resolution	0.1% O ₂
Sensor Accuracy at 1% O2 Concentration is	Better than +/-0.3% Oxygen
Heating time	None

GSP2 Handheld Analyzer

Measurement	O ₂ & CO ₂ (Electrochemical and NDIR)
Key features	The combined O ₂ /CO ₂ analyzer features a unique compensation for both temperature and cross sensitivity to CO ₂ in the O ₂ reading
Sample volume	Minimum 15mL at 10 seconds
Sample time	6-10 seconds
Measuring range	0-99.9%
Resolution	0.1% O ₂ and CO ₂
Sensor Accuracy at 1% O2 Concentration & 20% CO2	Better than +/-0.3% for O2 Better than +/-2% CO2
Heating time	None

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