



# 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
- O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub> 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

<b>Weight</b>	0.45kg
<b>Dimensions</b>	43mm (H) x 75mm (W) x 160mm (D)

## Technical Specification

### GSP1 Handheld Analyzer

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

### GSP2 Handheld Analyzer

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

## Contact Details

**web.** [www.industrialphysics.com](http://www.industrialphysics.com)  
**email.** [info@industrialphysics.com](mailto:info@industrialphysics.com)  
**email.** [info.china@industrialphysics.com](mailto:info.china@industrialphysics.com)