

DK-190 Headspace Gas Analyzer

DK-190 Headspace Gas Analyzer adopts a new handheld design and is equipped with advanced sensors, which can accurately and conveniently determine O₂, CO₂, N₂ in sealed packaging bags, bottles, cans and other packaging containers. It can store the testing data in the device and transfer to the DK-190 software or third-party software. Effectively testing the atmosphere of the package is necessary steps of mass brand manufacturing.



Features

- ☐ Testing data can be saved automatically.
- ☐ Portable design is suitable for test on production lines.
- ☐ The testing data can be transported to the DK-190 software or the third-party software
- ☐ The protective cover of the sampler needle assured the testing safety
- ☐ The built-in storage of data can reach 1500 pieces , which can meet the needs of large amount
- ☐ Color display with touching function
- ☐ It can be used for measurement of oxygen or combination of oxygen and carbon dioxide
- ☐ The minimum volume of sampling gas is 3 ml
- ☐ Data can be transmitted through Ethernet and USB
- ☐ Optional wireless micro-printer.

Principle

The gas is transported to the embedded sensor which calculate the proportion of O₂ and CO₂ via the exported signal, the test is stopped when the required condition is reached.

Standards

This test instrument conforms to many national and international standards:

ISO 15105-1, ISO 2556, ASTM D1434, JIS K7126-1, GB/T 1038-2000, YBB 00082003

Applications

Basic Applications	Packaging Bags	Test the volume of O ₂ and CO ₂ (optional) in headspace of non-vacuum sealed packaging bags of coffee, cheese, milk tea, milk powder, bread, bean powder, instant food and drugs, etc
	Packaging Containers	Test the volume of O ₂ and CO ₂ (optional) in headspace of packaging containers of coffee, milk powder, food, cheese, can, Tetra Pak and beverage, etc

Extended Applications	Ampoule Bottles	Test the volume of O2 and CO2 (optional) in headspace of ampoule bottles.
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Technical Specifications

Testable Gas	O2 (Standard)	CO2 (Optional)
Test Principle	Electrochemistry	Infra-red absorption
Life of Sensor	2 years (In air)	>15 years
Specification of Sensor	0~100%	
Resolution	0.01 %	
Accuracy	±0.2%	± (0.03%+reading value *5%)
Sampling Volume	<3ml (Standard Mode)	
Dimension	230mm (L) × 120mm(W) × 82mm(H)	
Power Supply	220VAC ± 10% 50Hz	120VAC ± 10% 60Hz
Net Weight	1 kg	

Configurations

Standard: Instrument, Sampling needle, Filter, Sealing gasket

Optional: Wireless printer, DK-190PC Professional Software, Device for testing ampoule, Standard portable bag