

DK-190 Headspace gas analyzer

DK-190 allows you to test modified atmosphere packaging quickly and effectively, which is a necessary condition for mass brand manufacturing. The operator can see at a glance whether the gas composition is within the required level. It also has the traceability you need: the basic data of each package can be stored in the device itself or transferred to dk-190 software or third-party software.



DK-190 headspace gas analyzer adopts a new hand-held design equipped with imported sensors, which can accurately and conveniently determine the O₂ content in sealed packaging bags, bottles, cans and other hollow packaging containers; through the selection of sensors, CO₂ content and N₂ content can be measured.

Product advantages

- Automatic data recording can save labor time and paperwork.
- Hand held design, single hand operation, portable, suitable for production site test.
- Easily transfer quality control data to dk-190 computer software or third-party software.
- Reliable quality control of modified atmosphere products.
- Quick insert protective cover of sampling probe to ensure test safety.
- Easy to operate - minimum training requirements.
- The built-in data storage can reach 4000 pieces, meeting the needs of large data storage.

Product characteristics

- Color display with touch function.
- It can be used for oxygen or oxygen / carbon dioxide combination measurement.
- The minimum sample size is 3 ml.
- Data transmission through Ethernet and USB.
- Optional wireless micro printer.

Testing principle

The gas in the sample is taken into the sensor, and the instrument calculates the proportion of O₂ and CO₂ (optional) in the gas by obtaining the output signal of the sensor. The test stops when the end condition of the test is reached.

Rich application

It is suitable for the determination of gas content in various food packaging bags and drug packaging bags. Such as potato chip packaging, canned milk powder, beverage packaging, modified atmosphere packaging, and other non negative pressure packaging bag gas content test.



Extended application

Ampoule bottle: suitable for testing O₂ and CO₂ (optional) content in top gas of ampoule bottle.

Technical index

Model Item	DK-190 Headspace gas analyzer
Measuring gas type	O ₂ (Standard configuration) CO ₂ (Optional purchase)
Testing principle	Electrochemical, infrared absorption
Sensor life	About two years; (In the air) >5 years
Sensor specifications	0~100%; 0~100%
Resolution ratio	0.01 %; 0.01 %
Measuring accuracy	±0.2%; ± (0.03%+5% indicating value)
Sampling amount	<3ml (Standard mode)
Size	230mm (L) ×120mm(W) ×82mm(H)
Power	220VAC±10% 50Hz / 120VAC±10% 60Hz
Net weight	0.5kg

Product configuration

Standard configuration	Host, sampling needle, filter and gasket
Optional purchase	Wireless printer, dk-190pc test software, ampoule bottle test device, portable standard kit.