

## LTDK-190 Headspace Gas Analyzer



The LTDK-190 headspace gas analyzer adopts a new handheld design and is equipped with imported sensors, which can accurately and conveniently determine the O<sub>2</sub> content in sealed packaging bags, bottles, cans and other hollow packaging containers; the CO<sub>2</sub> content can be tested by the optional sensor. Allows you to quickly and effectively test modified atmosphere packaging, 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 the DK-190 software or third-party software.

### Product features

- Automatic data recording can save labor time and paperwork
- Hand-held design, one-handed operation, light and easy to carry, suitable for production site testing
- Easily transfer quality control data to DK-190 computer software or third-party software
- Reliable quality control of modified atmosphere products
- Quick-plug sampling needle protective sleeve to ensure test safety
- Easy to operate-minimum training requirements
- Built-in data storage up to 1500, meeting the needs of large data storage
- Color display with touch function
- Can be used for oxygen or oxygen/carbon dioxide combined measurement
- The sampling volume is at least 3 ml
- Transfer data via Ethernet and USB
- Optional wireless micro printer

### Test principle

The gas in the sample is taken into the sensor, and the instrument calculates the ratio of O<sub>2</sub> and CO<sub>2</sub> (optional) in the gas by obtaining the signal output by the sensor. After reaching the test end condition, the test stops.

### Test application

#### Basic applications

**Packaging bags:** Suitable for testing the content of O<sub>2</sub> and CO<sub>2</sub> (optional) in various non-negative pressure packaging bags such as coffee, cheese, milk tea, milk powder, bread, soy flour, modified atmosphere packaging, instant food, medicine, etc.

**Packaging container** Suitable for testing the content of O<sub>2</sub>, CO<sub>2</sub> (optional) in the gas in packaging containers such as canned coffee, canned milk powder, canned food, cheese, canned food, Tetra Pak, beverages, etc.

Extended application ampoule bottle Suitable for testing the content of O<sub>2</sub> and CO<sub>2</sub> (optional) in the gas at the top of the ampoule bottle

Item	Parameter	
Gas	O <sub>2</sub> (standard)	CO <sub>2</sub> (optional)
Test principle	chemical	Infrared
Life time	More than 2 years	More than 15 years
Test range	0 ~ 100%	0 ~ 100%
Resolution	0.01 %	0.01 %
Accuracy	±0.2%	± (0.03%+5%)
Sampling amount	<3ml (standard)	
size	230 mm (L) × 120 mm(W) × 82 mm(H)	
Power	220VAC±10% 50Hz / 120VAC±10% 60Hz	
NW	1 kg	

#### Product configuration

Standard configuration: host, sampling needle, filter, gasket, portable standard tool kit

Options: wireless printer, DK-190PC test software, ampoule test device