

# HSD-T01 headspace gas analyzer



## 1.introductions

The HSD-T01 headspace gas analyzer adopts a brand new handheld design, equipped with high-precision sensors and air pumps from globally renowned brands, which can accurately and conveniently measure the O<sub>2</sub> content in sealed packaging bags, bottles, cans and other hollow packaging containers; At the same time, CO<sub>2</sub> content measurement can be achieved by selecting CO<sub>2</sub> sensors. Suitable for quickly and accurately evaluating the O<sub>2</sub> and CO<sub>2</sub> content in gases on production lines, warehouses, laboratories, and other occasions, in order to guide production.

## 2.specifications

No.	Item	Spec	
1	Testable gas type	O <sub>2</sub> (standard)	CO <sub>2</sub> (optional)
2	Test principle	Electrochemistry	Infrared absorption
3	Sensor lifetime	About two years (in the air)	> 15 years
4	Sensor type	0-100%	0-100%
5	Resolution	0.01%	0.01%
6	Accuracy	±0.2%	± (0.03% + displayed value * 5%)
7	Sampling quantity	< 3ml(standard)	
8	Voltage	220VAC±10% 50Hz / 120VAC±10% 60Hz	
9	Dimension	220x110x70mm	
10	Weight	1kg	
11	Language	Chinese / English	

### 3. test principle

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

### 4. applications

Basic application	Package bags	Suitable for testing the O <sub>2</sub> and CO <sub>2</sub> (optional) content in various non negative pressure packaging bags such as coffee, cheese, milk tea, milk powder, bread, soy flour, modified atmosphere packaging, ready to eat food, pharmaceuticals, etc
	Package containers	Suitable for testing the O <sub>2</sub> and CO <sub>2</sub> (optional) content in gases inside packaging containers such as canned coffee, canned milk powder, canned food, cheese, canned food, Tetra Pak packaging, beverages, etc
Expand 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 ampoules

### 5. features

- ◆ Handheld design, one handed operation, lightweight and easy to carry, suitable for production site testing
- ◆ Equipped with automatic data storage and automatic power-off memory function to prevent data loss
- ◆ Built in pressure sensor, capable of accurately measuring the internal vacuum degree of the sample
- ◆ Adopting imported high-precision sensors, the performance is stable and reliable, and the service life is long
- ◆ Quick insertion sampling needle protective cover ensures testing safety
- ◆ Color touch screen, one click operation is more convenient
- ◆ Can be used for oxygen or oxygen/carbon dioxide combination measurement
- ◆ The minimum sampling volume is 3 ml
- ◆ Equipped with Bluetooth interface and professional software for easy connection to computers and data import and export (optional)
- ◆ Equipped with Bluetooth printer, convenient for users to print test results at any time (optional)

### 6. packing list

**Standard packing list:** Host, sampling needle, filter, sealing gasket, portable standard tool kit

**Optional:** Bluetooth printer, upper computer software, ampoule testing device