

C650H Headspace Gas Analyzer is of professional structure design and is with high-precision sensor, the O₂ Content in sealed bags, bottles, cans and other hollow packaging containers can be accurately and conveniently determined. Meanwhile, with the selection of test accessories, CO₂ can also be tested. It is suitable for the production line, warehouse, laboratory and other scenes to quickly and accurately evaluate the content of O₂ and CO₂ in the gas, so as to guide the production.



Product Features ^{Notes1}

- The new ceramic oxygen sensor developed by Labthink has the characteristics of high precision and good repeatability.
- Ceramic oxygen sensor is non consumption type and has long service life.
- PC material operation panel, menu interface, LCD display, easy to operate and view the results.
- The system supports Chinese and English bilingual operating environment to meet the needs of different language users.
- The microcomputer control system can analyze and process the test data and output the report.
- It is easy to print the test results at any time with the embedded micro printer.
- The system has built-in data storage to meet the needs of large amount of data storage.
- Portable, easy to use in laboratory or production sites.
- Equipped with RS232 interface and professional software, which convenient for computer connection and data import and export.

Testing Principle

The gas in the sample is pumped into the sensor through the vacuum pump, and the sensor outputs the real time current and voltage signals of O₂ and CO₂ (optional) concentration of the gas in the sample. The instrument calculates the content of O₂ and CO₂ (optional) in the gas by obtaining the current and voltage signal output by the sensor. After reaching the requirements for ending the tests, the tests stop, and the instrument records the concentration of O₂ and CO₂ (optional) in the gas tested in the sample.

Test Applications ^{Note 1}

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|---------------------------|--------------|--|
| Basic Applications | Pouches/bags | It is suitable for the determination of O ₂ and CO ₂ (optional) content in non negative pressure pouches, packaging bags of coffee, cheese, milk |
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| | | tea, milk powder, bread, soybean powder, modified atmosphere packaging, ready to eat food, medicine and other non negative pressure packaging bags. |
| | Packaging Containers | It is suitable for the determination of O ₂ and CO ₂ (optional) in canned coffee, canned milk powder, canned food, cheese, canned, Tetra Pak, beverage and other packaging containers |
| Extended Applications | Ampoule Bottles | It is suitable for testing the concentration of O ₂ and CO ₂ (optional) in the head gas of ampoules |

Technical Parameters ^{Note 2}

| Items | Parameters | |
|-----------------------------|---------------------------------------|--|
| Type of Gas Measured | O ₂ (standard) | CO ₂ (optional) |
| Measuring Range | 0.2% ~ 21% | 2% ~ 100% |
| Measurement Accuracy | ±0.2% | ±2% |
| Sample Size | ≥ 5ml (standard atmospheric pressure) | ≥ 20ml (standard atmospheric pressure) |
| Dimensions | 350mm (L) × 330mm(W) × 200mm(H) | |
| Power Supply | 220VAC 50Hz / 120VAC 60Hz | |
| Net Weight | 5.5 kg | |

Product Configuration ^{Note 1}

| | |
|-------------------------------|--|
| Standard Configuration | Mainframe, micro printer, sampling needle, filter and gasket |
| Options | CO ₂ sensor, professional software, communication cable, hard packaging sampler, underwater sampling device |

Note 1: the product functions, reference standards and configuration information are subject to the specific notes in the "Technical Parameters".

Note 2: the parameters in the table are measured by professional operators in Labthink laboratory according to the requirements and conditions of relevant laboratory environmental standards.

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