

- ❖ Online Data Management System for Packaging Testing-The ultimate cloud computing technology for test data processing and management
- ❖ Designed with embedded computer control system and intelligent operating software
- ❖ Can be used to test the volume and mixture proportion of oxygen and carbon dioxide in sealed pouches, bottles, cans and other packages
- ❖ Advanced detection technology for headspace gas testing



## ***Online data management system for packaging testing***

Comes with two versions to meet distinct needs of our clients:

### **The Cloud Version**

- Consist of 6 functional modules: Test Management, Target Management, Instrument Management, File Management, Settings, and Online Support
- Cloud services: storage, calculation, and analysis of mass test data
- Automatically upload original test data to the cloud server to guarantee data security
- Intelligent statistical analysis of test results
- Easily accessible through the internet on PCs, laptops, mobile phones, and other devices anywhere and anytime, to check and review real time test results and historical test reports, as well as analytical graphs and statistical information

### **The Intranet Version**

- Featured with storage space for vast data, correlation analysis, trend analysis, and statistical analysis of test data, as well as report printing and data export functions
- Easily accessible via computers through Intranets
- “One Click Upgrade” to the powerful “Cloud Version”

## Functionality

- Equipped with auto lifting stand which makes the whole testing process, including sample piercing and gas analyzing, completely automatic
- The instrument can adjust test space according to the height of the sample to test
- Multiple testing modes are available for the user
- The instrument is designed with filtering function which prevents the powder content within specimen to block instrument.
- The sensors for O<sub>2</sub> and CO<sub>2</sub> are supplied by the world famous brands to ensure reliable overall product performance
- Intelligent reminder for sensor calibration guarantees safety of operation
- Data could be reanalyzed, processed and exported with the software and users can review test data conveniently
- Record tracing and management ensure a safety data operation environment

## Design

- Embedded computer control system provides safer and more reliable data management as well as test operation.
- The instrument can be easily operated with a mouse, a keyboard, and a monitor, without requiring a PC.
- The instrument is equipped with four USB ports and dual Internet ports for convenient data transmission.
- Sophisticated energy consumption and test environment monitoring and analysis functions for better test accuracy and reliability. (Relevant sensors are needed. For more information, please refer to the configuration in Technical Specifications.)
- Universal power input for easy access

## Software

- **Interface:** Windows-based operating interface
- **Statistics:** easy calculation for historical results, instrument usage, energy consumption, and large statistical information
- **Data Comparison:** by presetting target value and range, the system automatically generates data comparison after each test and intelligently judges whether the specimen passes or fails the test
- **Test Report:** can provide detailed test reports in various customized patterns
- **Energy Consumption and Test Status Monitoring (Additional Sensors Required):** the system monitors and displays real-time voltage, current, energy consumption of instrument as well as ambient temperature and relative humidity during the test, which serves to evaluate test data reliability
- **User Management:** multi-level account management for better data management and protection
- **Operation Log:** system automatically records all the operations by the user, which is easy to review

## Applications

This instrument can be used to test the following packages:

<b>Basic Applications</b>	Seal Packaging Bags	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of non-vacuum seal packaging bags of coffee, cheese, milk tea, milk powder, bread, bean powder, instant food and drugs
	Packaging Containers	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of packaging containers of coffee, milk powder, food, cheese, can, Tetra Pak and beverage (Underwater sampling set is needed)
<b>Extended Applications</b>	Ampoule Bottles	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of ampoule bottles (Underwater sampling set is needed)

## Technical Specifications

<b>Test Specs</b>	Test Gas	O <sub>2</sub> , CO <sub>2</sub>
	O <sub>2</sub> Test Range	0 ~ 100%
	O <sub>2</sub> Test Accuracy	0% ~ 2%; ±0.3% 2% ~ 100%; ±0.5%
	O <sub>2</sub> Sensor Lifetime	More than 6 Years
	CO <sub>2</sub> Test Range	0 ~ 100%
	CO <sub>2</sub> Test Accuracy	±0.5%
	CO <sub>2</sub> Sensor Lifetime	More than 15 Years
	Sampling Volume	≥12 mL ( Standard Atmospheric Pressure )
<b>Environment Monitoring Specs (Optional)</b>	Voltage Monitoring Range	AC 0 ~ 250 V, with ±0.5% accuracy
	Current Monitoring Range	0 ~ 15 A, with ±0.5% accuracy
	Energy Analysis Accuracy	±0.5%
	Environmental Temperature Monitoring Range	-10 °C ~ 55 °C, with ±0.1°C accuracy
	Environmental Humidity Monitoring Range	0 ~ 100% RH, with ±2% RH accuracy
<b>Other Specs</b>	Instrument Dimension	400 mm (L) x 330 mm (W) x 800 mm (H)
	Power Supply	AC 220V 50Hz / AC 120V 60Hz
	Net Weight	37 kg
<b>Configurations</b>	Standard	Mainframe (including Wireless Data Interface), Professional Software, LCD Monitor, Keyboard, Mouse, Sampling Probe, Filter, Sealing Pad
	Optional	Environment Monitoring Sensors (including voltage, current, temperature, humidity sensors), Pedal Switch, Sampling Probe, Filter, Sealing Pad, Printer (compatible with PCL3),

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**Underwater Sampling Set**

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Ulab Data Management  
System for Packaging  
Testing

Software (optional), Server (optional), WEX-01 Wireless Data Exchange Server (optional), WEX-02 Wireless Data Exchange Server (optional), High Gain Antenna (optional), Printer (optional)

**Note:** The devices above are optional and can be selected according to the quantity of the testing instruments

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**Please Note:**

- ❖ Pictures used are for illustration purposes only and may differ from the actual product received.
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