

ZR-3730 Vacuum Bag Sampler

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Overview

ZR-3730 Vacuum bag sampler provides fast sampling with zero cross-contamination. The sampler allows sample bags to be filled directly by using negative pressure. It can be used to collect volatile organic compounds (VOCs) and other gaseous samples from fixed pollution sources and ambient air.



Industrial VOCs

Indoor air quality

Effluent gas samples

Applications

Stack sampling

Ventilation studies

Hazardous Material (HazMat) testing

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Features

- ✓ Higher automation with 4-speed regulation.
- ✓ Large aperture inert material solenoid valve, fast collection speed, automatic detection of gas tightness, automatic cleaning of pipeline, automatic cleaning of air bag, and adjustable cleaning times.
- ✓ **Protects sample pump from contamination**
 - > Sample does not pass through the pump.
 - > Sample contacts only inert tubing and bag. Ensure that the collected samples are free from contamination and adsorption.
- ✓ Four-gear speed regulation to meet different pollutant sampling.
- ✓ Built-in lithium battery, charge for about 1.5h, and sample 8 times continuously when fully charged.
- ✓ Rugged heavy-duty, airtight construction.

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Specifications

Parameter	Range
Sampling flowrate	4L/min
Bag capacity	(1~4) L
Working condition	(-20~50) °C, (60~130) KPa
Sampling negative pressure	>-16kPa
Size	(L350×W310×H250) mm
Weight	About 5.5kg
Power supply	AC220V±10% , 50/60Hz
Battery	Continuous sampling for 8 times under full power
Consumption	≤80W

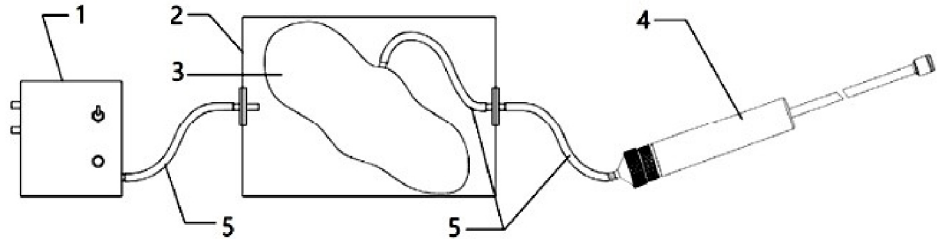


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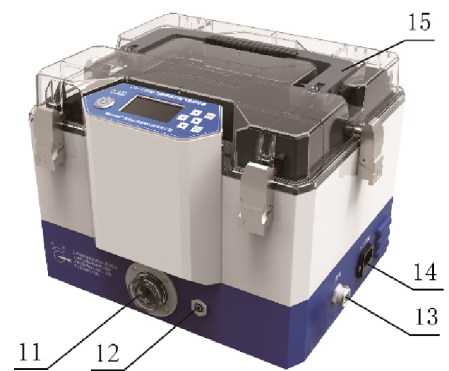
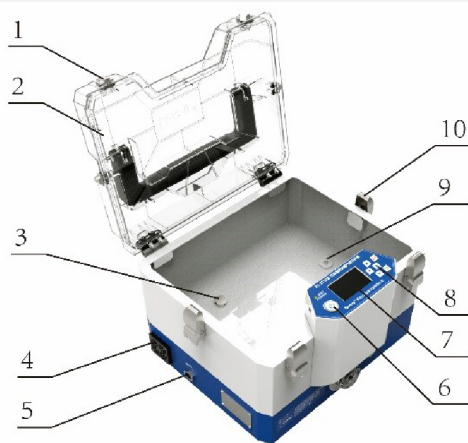
Principle

The control pump will pump the vacuum box into a negative pressure state, and the air bag in the vacuum box will expand passively to extract the sample gas at the place where it is connected to the external pipeline.

1. Sampling Host
2. Vacuum Box
3. Bag
4. Sampling Pipe
5. Gas Pipeline

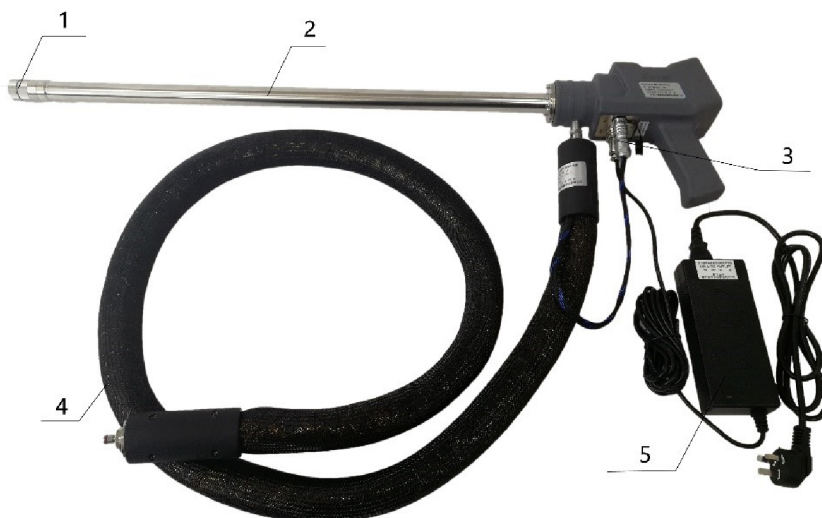


1. Hook
2. Clear-view Lid
3. Cavity interface
4. Fan
5. Ventilation port
6. Start button
7. LCD screen
8. Button
9. Interface of air bag
10. Hook
11. Filter cartridge
12. Filter nozzle
13. Gas inlet
14. Power switch
15. Handle



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Accessories



ZR-D03C Flue gas sampling pipe

1. Sampling head
2. Sampling pipe
3. Temperature sensing joint
4. Heat tracing hose
5. Power adapter

