DT-2022B Type Vacuum Box Air Bag Sampler (integrated)

Product description

The JF-2022B Vacuum Chamber Airbag Sampler utilizes polyvinyl fluoride (PVF) polymer film airbags to collect environmental air and fixed-source exhaust gases through passive sampling. It effectively captures volatile organic compounds (VOCs), volatile halogenated hydrocarbons, total atmospheric hydrocarbons, methane, non-methane total hydrocarbons, and odorous gases. This device is widely used by environmental protection agencies, health authorities, labor departments, safety inspection units, military organizations, research institutions, and educational institutions for various sample gas collection applications.

Characteristic

1. Passive sampling method is adopted, and the sample gas directly enters the air bag to achieve zero crossover pollution sampling;

2. When cleaning the residual gas in the air bag, there is no need to pull out or plug the air bag connection pipe. The whole process of displacement and sampling of the residual gas in the air bag can be completed by automatic control cleaning of the air bag through the main engine;

3. Support two sampling modes: timed sampling and fixed flow sampling;

4. The gas path adopts inert material to ensure that the collected gas samples are not polluted and adsorbed;

5. Built-in high-performance lithium battery, support for long-term sampling, can be sampled without AC power;

6. The airbag pressure is detected throughout the sampling process, and the sampling stops automatically when the airbag is full;

7. After sampling, the vacuum box automatically depressurizes to facilitate the opening of the cover;

8. It can be applied to (1~10) L airbags;

9. Adjustable sampling flow rate, fast sampling speed, strong load capacity;

10. Historical measurement data can be queried in real time;

11. It has a Bluetooth communication interface and can be optional with Bluetooth printing function.

Technical Parameters

1. Key Parameters

Main parameter	Parameter range
Sampling flow	$(10 \sim 200)$ mL/min
Built-in lithium battery	14.8V 5.2AH
Continuous working period	8h

Data storage capacity	200 group
Applicable airbag volume	(1～10) L
Overall weight	About 4.5kg
Length* width* height(mm)	400*360*270

2. Configuration List

Serial number	Name	Specifications	Unit	Quantity	Remarks
1	Instrument host	DT-2022B	Short forTaizhou	1	
2	Braces	/	Root		
3	Lithium battery charger	16.8V 2A	Individual	1	
4	Polytetrafluoroethylene tube + silicone rubber tube (both ends)	φ 4*6	Root	1	2 rice
5	Silicone tube	φ 4*7	Root	1	0.3 rice
6	Filter element	/	Individual	1	
7	Thiefrod	1.7 rice	Root	1	
8	Instructions	/	Portion	2	
9	Certificate	/	Portion	1	
10	Warranty card	/	Portion	1	
11	Packing list	/	Portion	1	