

DT-2021 dual-channel constant-current atmospheric sampler (Z model)



Product description

DT-2021Z intelligent dual-channel constant-current atmospheric sampler is mainly used to collect formaldehyde, ammonia, TVOC, benzene and other gases in the air. The sampler meets the requirements of GB50325-2020 Indoor Environmental Pollution Control Standard for Civil Building Engineering and GB/T18883-2022 Indoor Air Quality Standard. The product has stable performance and convenient operation. It is suitable for indoor testing, environmental monitoring, industrial and mining enterprises and health and epidemic prevention departments to collect all kinds of toxic and harmful gases.

The sampler uses solution absorption method to collect all kinds of harmful gases in the ambient atmosphere and indoor air. It can be used for routine and emergency monitoring of gaseous substances and aerosols in environmental protection, health, labor, safety supervision, military, scientific research, education and other departments.

Characteristics

1. Two channels are set independently, and electronic constant current sampling;
2. Timing, Constant volume, Interval, Delay and other sampling modes;
3. Collect air pressure, temperature and pressure in real time, and automatically convert the reference/working condition/standard temperature and pressure volume;
4. Large-capacity lithium battery ensures that the working time of full charge can reach more than 20 hours;
5. Imported brushless pump with a service life of more than 5,000 hours;
6. The data storage of sampling information can be as high as 80,000 groups;
7. Standard USB flash drive can be used for data export and software upgrade;
8. Optional Bluetooth printing function;
9. The electronic constant-current sampler with the highest screen ratio and touch screen on the market is only (14*10*15)cm in size.

Technical Parameters

1. Key Parameters

Main parameter	Parameter range	Resolution ratio	Degree of accuracy
Sampling flow	(20 ~ 2000) mL/min	1 mL/min	Better than $\pm 2.0\%$
Flow stability	/		Better than $\pm 2.0\%$
Flow repeatability	/		Better than $\pm 2.0\%$
Sampling time	(1 ~ 1000) min	1 min	Better than $\pm 0.1\%$
Delay time	0 ~ 23h59min	1 min	Better than $\pm 0.1\%$
Interval time	(1 ~ 1000) min	1 min	Better than $\pm 0.1\%$
Built-in lithium battery	16.8V 5.2AH		
Continuous working period	> 20h		
Sampling times	(1 ~ 1000) times		

Maximum sampling volume	1000L
Loading capacity	> 30kPa
Ambient temperature	(-20 ~ 55) °C
Noise	< 55 dB(A)
Power consumption	< 20 W
Overall weight	About 2 Kg
Length * width * height (mm)	140*100*150

2. Configuration List

Serial number	Name	Specifications	Unit	Quantity	Remarks
1	Instrument host	DT-2021Z	Set	1	Built-in lithium battery
2	Lithium battery charger	16.8V 2A	Set	1	
3	Large silica gel connecting pipe	/	Set	2	
4	Small silica gel connecting tube	/	Set	2	
5	Drying cylinder	/	Set	2	
6	Red/blue tube	0.15m	Set	2	
7	pylon	/	Set	2	
8	Triangle bracket	/	Set	1	
9	Main engine aluminum box	/	Set	1	
10	Instructions	/	Set	1	
11	certificate	/	Set	1	
12	guarantee card	/	Set	1	
13	packing list	/	Set	1	

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