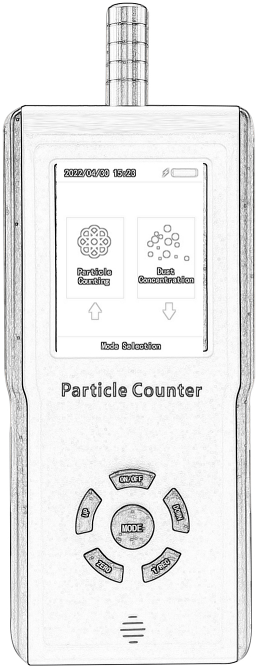
sisco

Bluetooth Particle Counter

User’s manual


2022/04/30 15:28
Particle Counting
Dust Concentration
Mode Selection
Particle Counter
ON/OFF
UP
DOWN
MODE
ZERO
T/REC

V1.0

I Overview

SISCO Bluetooth Particle Counter is suitable for monitoring ISO level 6-9 (FS 209E Purification determination Class 1000-class 100.0000) controlled environment. SISCO-MKS-880 series of semiconductor laser light source, LCD display, its small size, light weight, self-check quick check portable, simple operation. Suitable for clean room, clean room, purification workshop an other environment.

II Important Tips

1.Before using the device, read the following details carefully and operate the device correctly according to the manual.

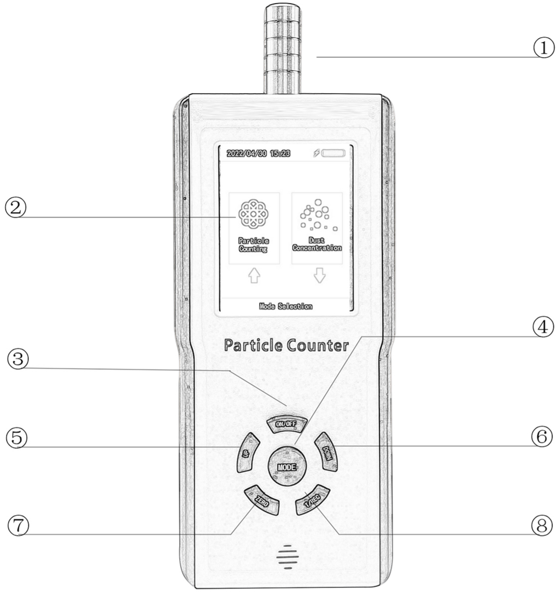
2. Do not disassemble the instrument or throw it into fire.

3, prevent the instrument from violent vibration and fall.

4. Do not let liquid flow into the instrument.

5. Do not open or use the device when the battery compartmen is exposed.

Ⅲ、Product Introduction


①
②
2022/04/30 15:23
Particle Counting
Dust Concentration
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Particle Counter
③
④
ON/OFF
⑤
UP
MODE
DOWN
⑥
ZERO
T/REC
⑦
⑧

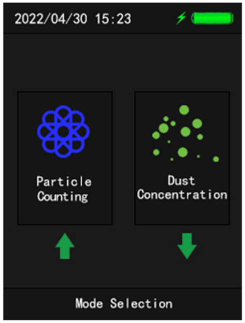
① Sampling Port	② LCD Monitor
③ ON/OFF: On-off/back	④ MORE: Enter key

⑤ UP/⑥ DOWN : Udown key

⑦ ZERO: Zero clearing/Setting function

⑧ T/REC: Historical data

Ⅳ、Function Introduction



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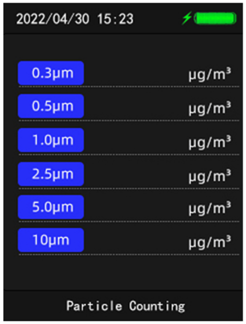
Particle Counting

Dust Concentration

Mode Selection

1. About 5 seconds after starting up and entering the standby page, jump to the dust concentration/particle count detection page. Press the UP key or DOWN key to confirm the access.



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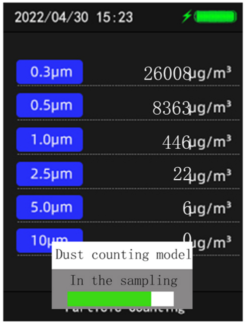
0.3μm	μg/m³
0.5μm	μg/m³
1.0μm	μg/m³
2.5μm	μg/m³
5.0μm	μg/m³
10μm	μg/m³

Particle Counting



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0.3μm	26008μg/m³
0.5μm	8363μg/m³
1.0μm	446μg/m³
2.5μm	22μg/m³
5.0μm	6μg/m³
10μm	0μg/m³

Dust counting model

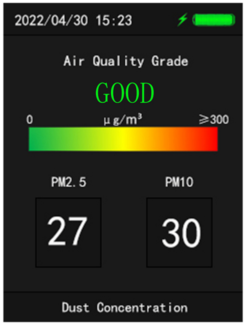
In the sampling

Particle Counting

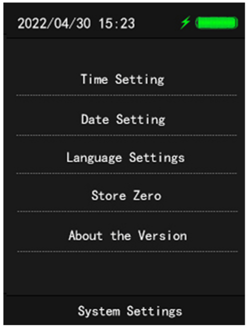
2. "UP/DOWN" key to enter the particle count detection mo short press "MORE" key to enter the sampling stage, the t is about 60 seconds, and the final value is obtained.

de,

ime


2022/04/30 15:23
Air Quality Grade
GOOD
0
μg/m³
≥300
PM2.5
PM10
27
30
Dust Concentration

3.Press the "Up and down" key to switch to the concentration test mode and enter the interface, asshown in the figure.


2022/04/30 15:23
Time Setting
Date Setting
Language Settings
Store Zero
About the Version
System Settings

4. Press "ZERO" to enter the interface, as shown in the figure.

Select the corresponding function for operation Settings."UP"/UP button, "DOWN"/DOWN buttonThe key. MORE key/Confirm key. Enter the correspondingSettings screen For setting. (For printing function,It can be connected by itself).

V、Parameter

Size：190×68.5×33mm
Weight：220g
Density test：PM2.5/PM10
Output range：0-1000ug/m3
Resolution ratio：1ug/m3
Size Channels：0.3/0.5/1.0/2.5/5.0/10μm
Sampling method：Manual Operation
Sampling time：≈60s
Traffic：1.0L/min
Operating temperature：0-50℃
Operating humidity：10 to 90RH

VI、Power Supply

Built-in 3.7V Lithium Battery

Pleasy use a standard and safe ⎓ 1000mA

Charging.

（synchronous）

Charger For

Accessory

The current standard of clean room class is ISO14644-1; Clean space unit volume of air, using air and static test method, with the maximum concentration limit of particles greater than or equal to the particle size of the considered particle classification and grade standards。

ISO14644 Class	MAC（PC/m^3）						FS209E Purification standard
	0.1μm	0.2μm	0.3μm	0.5μm	1.0μm	5.0μm	
ISO Class1	10	2					
ISO Class2	100	24	10	4			
ISO Class3	1,000	237	102	35	8		1级
ISO Class4	10,000	2,370	1,020	352	83		10级
ISO Class5	100,000	23,700	10,200	3,520	832	29	100级
ISO Class6	1,000,000	237,000	102,000	35,200	8,320	293	1,000级
ISO Class7				352,000	83,200	2,930	10,000级
ISO Class8				3,520,000	832,000	29,300	100,000级
ISO Class9				35,200,000	8,320,000	293,000	