Clean Room Environmental Testing Solution

01 Particle Counter Pro

Scichro new generation of particle counter Pro is an independently developed brand-new particle counter meeting numerous domestic and overseas standards. It has overturned the traditional design philosophy of dust particle and adopted the SOP sampling mode to bring brand-new experience for users. Stainless steel drawing process is used on the appearance, which is nice-looking and durable to any form of disinfection by disinfectant. It is equipped with tempered glass panel and 10.1-inch touch screen. The large screen gives you a more intuitive feeling;

It has 28.3L/min, 50L/min and 100L/min sampling flows for selection. Its built-in flow sensor provides users with accurate flow control, the internal parts of the equipment are strictly controlled, ensuring stable operation of the equipment for more than 10 years. It is the best selection for clean room particle monitoring.

02 Features of Particle Counter Pro

Fault Alarm

Flow communication fan current

Voltage laser current voltage

Printer buzzer communication

Wide voltage with WIFI connection

Mode and Standard

Manual sampling

Standard mode

SOP mode (manual)

SOP mode (Automatic)

Data Trend

Data range can be organized by month, quarter or year

Provide accurate data for cleaniness change

Maintain the environment for clean room more accurately

Map

Upload live map of the room

Store map data for multiple rooms

Provide users with accurate sampling point

Convenient for real-time observation

Barcode Scanner

Mode code scanning function

Directly fetch sampling information

Provide efficient operation mode

Barcode Scanner

Data integrity

Account and password management

Data and audit trail export

Electronic signature

In line with 21 CFR PART 11

03 Interface Functional Diagram of Particle Counter Pro

Workbench interface

Account Authority

Multi-level authority management function
The admin may make authority management for operator to ensure data integrity

Data Trend

Trend change of particle concentration in time period in the room
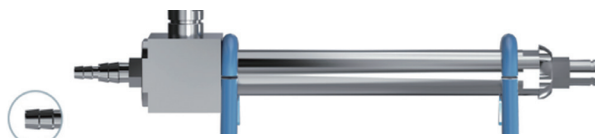Better understand the use conditions of high-efficiency filter

04 Technical Parameters of Particle Counter Pro

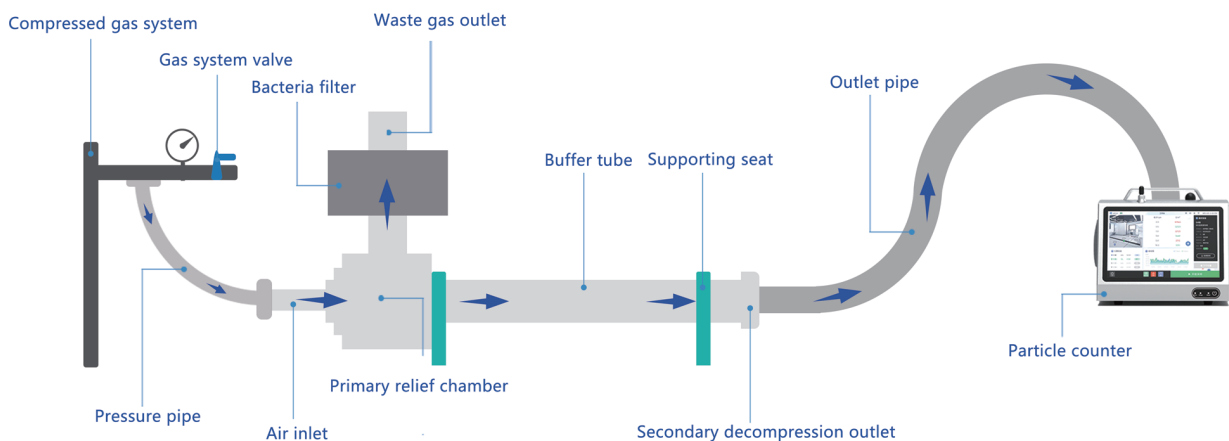| PARAMETER & MODEL	SCI-G310pro	SCI-G550pro	SCI-G5100pro
Flow	28.3L/min±3%	50L/min±3%	100L/min±3%
Sampling time (1m³)	35.3 min	20 min	10 min
Particle size channel	0.3µm,0.5µm, 1.0µm,3.0µm, 5.0µm,10.0µm	0.5µm,1.0µm, 2.0µm,3.0µm, 5.0µm,10.0µm	0.5µm,1.0µm, 2.0µm,3.0µm, 5.0µm,10.0µm
Light source(1m³)	Long-life laser diode can be served for 10 years in average if it is fault-free		
Upper limit of concentration	1500000 pcs/ft3	900000 pcs /ft3	700000 pcs /ft3
Built-in standard	Custom standards, FS209E, ISO 14644-1:1999, ISO 14644-1:2015, CHINESE GMP: 2015 EU GMP:2015, CHINESE GMP: 2020, EU GMP: 2020 and GBT 25915.1:2021 standards.		
Report	Custom standards available: FS 209E, ISO 14644-1:1999, ISO 14644-1:2015, CHINESE GMP:2015, EU GMP:2015, CHINESE GMP:2020, EU GMP:2020, GBT 25915.1:2021 normative reports.		
Map	SOP map function, providing specific sample location.		
Port	Ethernet; 2 USB standard ports, USB D-shaped port, DIN-403T port		
Battery	10.8V, 9220mAh/pc (2 pieces in standard configuration), detachable rechargeable lithium battery		
Cruising ability	7h	6.5h	5h
Size	26.6*22*20cm		
Weight	5.1kg (without battery) 6.1kg (with battery)		

05 High-voltage Disperser SCI-Y300 Type

Material: 316L

Size of inlet connector
Ø8、Ø10、Ø12

Applicable Model

SCI-G310/G350/G3100

SCI-G310pro/G350pro/G550pro/G3100pro/G5100pro

Combination of High-volage Disperser and Particle Counter

Compressed gas system
Gas system valve
Bacteria filter
Waste gas outlet
Buffer tube
Supporting seat
Outlet pipe
Particle counter
Pressure pipe
Air inlet
Primary relief chamber
Secondary decompression outlet

06 Air Volume Hood

Reminder Function
Historical data deletion reminder function prevents misoperation

Design of Tempered Glass Touch Screen
Design of tempered glass touch screen, simple, elegant and durable

Excellent Man-Machine Interaction
5-inch capacitive color LCD screen design, friendly man-machine interface, simple and easy to operate

Bluetooth Connection
Manually search for matching external Bluetooth printing device

Data Storage
Test data within 4 hours after the data is saved after power failure

Built-in Battery
Built-in battery can work continuously for 5 hours

Parameter & Model	SCI-FLY-1
Measuring range of air volume	150~4000m³/h
Real-time U disk export vertical test data	±5%F.S
Air volume resolution	1m3/h
Number of data stored	10000pcs
Size of standard fabric shade	570x570mm & 830x830mm
Height of movable triangle support (optional)	3.1m
Weight	3.8kg

07 Floating Bacteria Sampler

Memory Function
Three-six kinds of sample volume prediction with sample volume setting memory function

Reminder Function
Historical data deletion reminder function

Real-time Printing Data
Optional Bluetooth printer, real-time printing, test data saved

High Core Quality
Export fan with high precision and long service life

Data Export
U disk can be used to export historical test data

Intuitive Operation
Colored screen design with concise appearance and clear operation interface

Parameter & Model	SCI-FLY-V
Control mode	100L/min
Number of preset sampling volume channels	6
Sampling flow	100L/min±5% (error)
Sampling volume	1-9999L (adjustable)
Sampling velocity	0.38m/s (isokinetic sampling)
Size suitable for culture dish	Ø 90mm
Impact velocity	10.8m/s (Anderson impact scale 5 principle)
Overall dimension	240x240x155mm

08 Intelligent Bacteria Collector

Six-Gear Speed Presetting
Six-gear speed presetting with speed memory function, convenient for rapid speed setting

Real-time Speed Display
Real-time speed display, real-time display of temperature and humidity and electronic clock, providing intuitive work process monitoring for users

Protection Function of Pump Head
The pump head has the safety protection function, avoiding injury to personnel during misoperation

Integral Waterproof Design
Toughened glass panel with waterproof design, easy to touch and clean

More Secure and Accurate
Driven by permanent magnet brushless DC motor with high accuracy, long service life and no electrical contact spark

5-inch Colored Touch Screen
5-inch capacitive color LCD screen design, simple, intuitive and easy to operate

Parameter & Model	SCI-P50	SCI-P20
Speed	(50-300)rpm	(50-200)rpm
Total height of suspension	44cm	
Number of base holes on incubator	3	
Number of preset speed channels	6	/
Control mode	5-inch touch screen	Stepless speed regulation
Weight	12kg	10kg
Overall dimension	210x310x180mm	210x290x180mm
Flow of single filter head	1500ml/min (no load)	600ml/min (full load)

Microbiological Limit Meter

5-inch colored touch screen
Simple and elegant appearance, clear operation interface

Sterilization in any form
When disposable filter cup is selected, the pump head can be assembled or disassembled in plug type or thread type. Sterilization can be carried out in any form

Continuous experimental operation
When disposable filter cup is selected, the pump head can be quickly sterilized with flame gun head, convenient for continuous experimental operation

New anti-reflux technology
Built-in micro high performance diaphragm pump with low noise is selected. Suction flask is not required. Make direct drainage

SCI-G308

SCI-G608

Parameter & Model	SCI-G308	SCI-G608
Number of filter heads	3	6
Number of built-in pumps	3	6
Diameter of disposable filter cup	47mm	
Diameter of reused filter cup	47mm	
Diameter of applicable filter membrane	47mm (disposable) 50mm (reused)	
Overall dimension	360x210x170mm	660x230x170mm
Weight	6kg	10.5kg
Flow of single filter head (no load)	1500ml/min	
Flow of single filter head (full load)	600ml/min	
Control mode	5-inch touch screen	
Power	150W	200W

5-inch colored touch screen
Simple and elegant appearance, clear operation interface

Sterilization in any form
When disposable filter cup is selected, the pump head can be assembled or disassembled in plug type or thread type. Sterilization can be carried out in any form

3 Built-in Diaphragm Pumps
Three built-in micro high performance diaphragm pump with low noise. Suction flask is not required. Make direct drainage. The use is more convenient

Data Export
The device has an interlock function. During device operation, all function keys except the stop button are locked to prevent the experiment failure due to misoperation of users

SCI-H303

SCI-H305

Parameter & Model	SCI-H303	SCI-H305
Number of filter heads	3	
Number of built-in pumps	3	
Diameter of disposable filter cup	47mm	
Diameter of reused filter cup	50mm	
Diameter of applicable filter membrane	47mm (disposable) 50mm (reused)	
Overall dimension	310x220x170mm	310x220x120mm
Weight	6kg	
Flow of single filter head (no load)	1500ml/min	
Flow of single filter head (full load)	600ml/min	
Control mode	5-inch touch screen	
Power	150W	

Stable Pumping Rate
Multiple filter heads work with the built-in liquid pump simultaneously

Sterilization in any form
When disposable filter cup is selected, the pump head can be assembled or disassembled in plug type or thread type. Sterilization can be carried out in any form

Control by Rotary Switch
Each switch can control the start and stop of the pump head, and the work efficiency is high

SUS304 Stainless Steel Material
The surface of the stainless-steel housing is smooth and flat after special treatment such as point breaking and drawing, convenient for cleaning and disinfecting

SCI-S601P

SCI-S301P

Parameter & Model	SCI-S601P	SCI-S301P
Number of filter heads	6	3
Number of built-in pumps	2	1
Diameter of disposable filter cup	47mm	
Diameter of reused filter cup	50mm	
Diameter of applicable filter membrane	47mm (disposable) 50mm (reused)	
Overall dimension	620x190x170mm	350x190x150mm
Weight	8kg	4kg
Flow of single filter head (no load)	1200ml/min	500ml/min
Flow of single filter head (full load)	500ml/min	375ml/min
Control mode	Control by knob	Control by knob
Power	100W	30W

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