

CLEAN ROOM PARTICLE COUNTER

Brand - BioGenix®

PRODUCT DESCRIPTION

BIOGENIX® Brand Air Born Particle Counter is ergonomically designed for clean room uses. The counter is very rugged and offers true accuracy while retaining the features and sensitivity of larger particle counters.

BioGenix is a leading sales of instruments for airflow testing, indoor air quality (IAQ) monitoring, dust monitoring, particle counting and particle monitoring, automotive testing, and more. Industries we serve include HVAC, medical, pharmaceutical, construction, industrial manufacturing, semi-conductor manufacturing, automotive and aerospace engineering, and more.

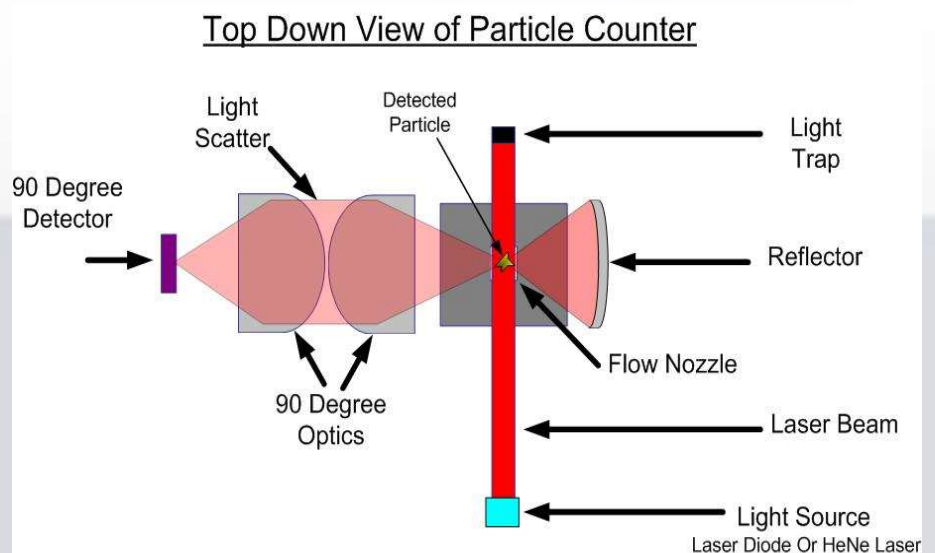


KEY FEATURES

Cleanroom use Airborne Laser Particle Counter

This series Airborne Particle Counter is used to detect the particles in the cleanroom. It can measure the class 100 to 300 k environment. The instrument uses the laser diode as the light source, LCD-panel displays, six different size ranges simultaneously. The built-in printer can print count results. The counter can store 1000 samples data. Software creates data files for viewing or export to EXCEL sheet to computer. The instrument is widely used in the fields of micro-electronics, precision machinery, optics, pharmacy and sanitation, biology, food and beverage, aerospace and so on.

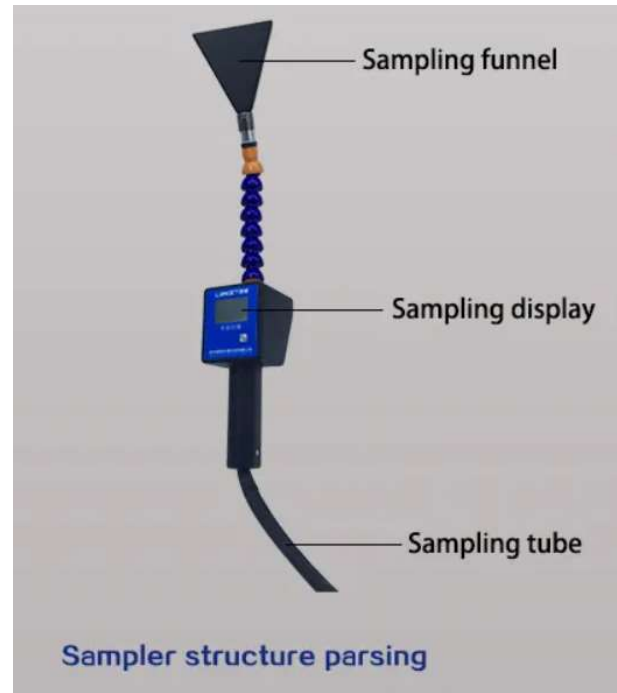
Particle counters function primarily using the principles of light scattering, although other technologies may also be employed. Light scattering by particles use instrumentation comprising a high-intensity light source (a laser), a controlled media flow (air, gas or liquid) and highly sensitive light-gathering detectors (a photo detector).



Sampling Stand

When conducting microbiological active air sampling (i.e., aseptic monitoring) in a biological safety cabinet (BSC), isolator, or RABS, it is best practice to use a remote sample head with the air sampler located outside the enclosed clean area. Ensuring you have the proper type of remote sample head is key to a seamless integration.

The first consideration is the type of exhaust tubing, and the next is your preferred mounting for the tubing (horizontal or vertical).



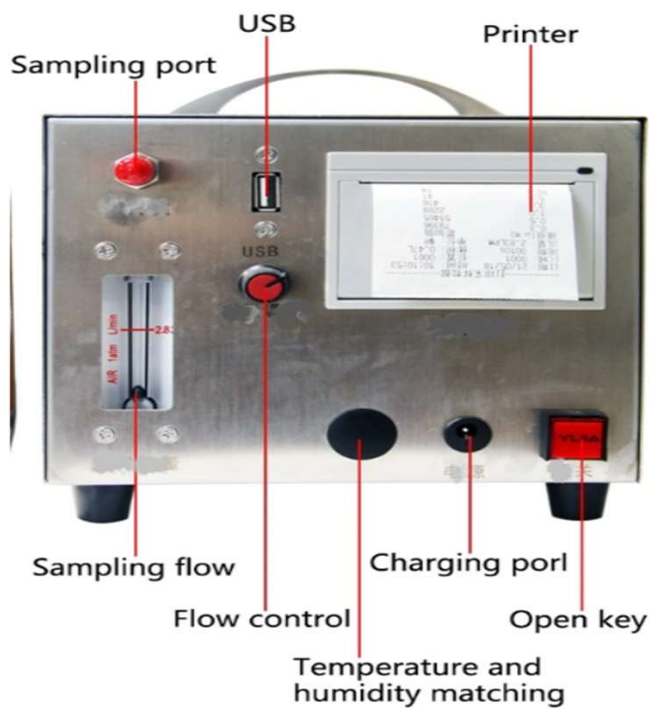
Stainless Steel Body:

BioGenix particle counters body is made up with Stainless steel 304 to maintain the cleanliness and dust free with touch screen color display. All the parameters displayed in color form and attractive look.

The BioGenix airborne particle counter (hereinafter referred to as the instrument) is an instrument used to measure the size and number of large dust particles suspended in the air per unit volume.

This instrument adopts a semiconductor laser light source and a touch computer display, with high detection accuracy and simple and clear functional operation. It is controlled by a computer and can store and print detection results, making the testing environment very convenient. It is widely used in electronics, optics, chemistry, food, cosmetics, medicine and health, biological products, aerospace and other sectors.

This instrument uses the principle of light scattering to detect the size and quantity of particles to detect suspended particulate dust. The air is sucked into the photosensitive area of the Particulates sensor by the sampling pump for detection, and the dust particles scatter out the luminous flux proportional to their particle size. After photoelectric conversion, electrical signals are obtained, amplified and processed to obtain the equivalent diameter and number of collected particles.



BioGenix Particle counter back side facility with sampling port, USB, Printing facility, sampling flow, flow control, charging port, Temperature and humidity matching, and open key.



Technical Specifications

Weight	7.5Kg
Max. Consumption	48
Power Source	DC 16.8V (Lithium Ion Battery)
Size Channels	0.3, 0.5, 1, 3, 5, 10µm
Flow Rate	28.3L/min (Imported Pump)
Sample Time	1---10min (Selectable)
Zero Count &le	10min
Location Labels	0-999
Printer	Built-in Thermal Printer
Alarm	10,100, 1000, 10000 ,100000,300000Class /ISO
Data Storage	1000 Samples (With PC Software)
Light Source	Laser Diode (30, 000 hours Mean Time Between Failures)
Maximum Rated Particle Concentration	35000 particles
Operating Time	3hours
Environmental Temperature	10 degrees celsius-35 degrees Celsius
Humidity	20%-75%RH
Atmosphere Pressure	86Kpa-106Kpa



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