A & E LAB (UK) CO.,LTD

Particle Counter

PARTICLE COUNTER

Y09–3016 LASER PARTICLE COUNTER

Y09-3016 Laser Particle Counter adopts the principle of light scattering, when the suspended particles in the air after a photosensitive area, scattering and its particle size with a certain proportion of luminous flux, get treated by photoelectric conversion, amplification and be harvested equivalent diameter and number of particles.

Technical Parameters

Light source	Semiconductor laser, life is more than 35000 hours
Sampling flow	2.83L/min (0.1ft3)Imported Pump
Display	LCD Real-time display, a period, the concentration of the real-time display, can display time, date, measurements, temperature and humidity, room number, number of sampling points, sampling, battery, state parameters, such as 95% UCL computing, can directly show the particle concentration (m^3)
Rechargeable Battery	Lithium ion battery,7.4 V,2200mAh.
Power supply	External AC power adapter,AC :100V~245 V,50/60 Hz to DC :7.4 V,1 A
Working time	6 Hours(Provide a fuel gauge of remaining battery capacity)
Count mode	The cumulative values, the difference and density
Test mode	Single, repetitive, continuous,computing,remote
Unit conversion	The unit can be converted to m^3
Particle channel	0.3, 0.5, 1, 3, 5, 10um
Sampling period	1~10000(s) time-delay :0~99(S) Self-cleanning time :e 10 (min)
Work environment	Temperature :10~40℃ (50~104℉) Relative humidity :20~90%RH, no dew, Atmospheric pressure:86-106KPa
Temperature and humidity:	(1)Temperature :0~50℃ ±1℃. (2)Humidity:0~100%RH ±5% (Optionally available)
UCL Set	Sampling number(A):2~9 point set. Each point of sampling times :(L)2~9times set Measurement setup:0-999
UCL report forms	Meet the standards of ISO14644-11 GB50073-20011 GMPP FS-209E
Data store	Can store 1000 Groups data (circulation buffer) (Including particler datar environment datar yearr monthr dayr time, sampling number, data port), The data is not lost when the power is cut off.
Communication interface	RS232, 9600 Baud rate
Zero count	Instrument with level alarm function, can to clean room grade 100, grade 1000, grade 10000, grade 100000, grade 300000, grade 1000000 with excessive alarm and low battery voltage alarm
Alarm setting	Meet standards of JJG-547-88The dust particle counter verification regulation requirements JIS B9921:1997 Less than one every five minutes
Superposition errors	5%, 2,000,000Grain/cubic feet
Print function	Cab connect the external printer (Optionally available)
Overall size	220×40×120 (mm)
Weight	1kg
Adjusting	Traceability to the national association of standard technology (NIST), our company has passed the national metrology standard appraisal, can be traced back to the Shanghai national institute of metrology measurement technology is available for calibration or third party national metrology institute for calibration
Standard configuration	Suitcase Charger Sampling head Null filter RS 232 connecting line CD for computer communication software
Optional accessories	External printers, professional triangle sampling frame, temperature and humidity sensor

PARTICLE COUNTER

Y09-550/5100 PARTICLE COUNTER

Y09-550 Particle Counter is used to measure the volume of air inside the clean environment of dust particles in size and number, can be directly detected cleanliness class A area, B-class area clean environment. Y09-550 laser particle counter use a semiconductor laser light source, a large touch-screen display, small size, light weight, high precision, features simple operation, microprocessor control, storage, printing the measurement results, the test environment is very clean convenient. In addition, special software can be downloaded via computer to store data. Our products are widely used in medicine, optical, chemical, food, cosmetics, e-health, biological products, aerospace and other sectors.

Y09-5100 largeflow rate (100L/min) particle counter is used to measure the volume of air inside the clean environment of dust particles in size and number, can be directly detected cleanliness class A area, B-class area clean environment. Y09-5100 laser particle counter using a semiconductor laser light source, a large touch-screen display, small size, light weight, high detection precision, functionality simple operation, microprocessor control, storage, printing the measurement results, the test environment is very clean convenient. In addition, special software can be downloaded via computer to store data. Our products are widely used in medicine, optical, chemical, food, cosmetics, e-health, biological products, aerospace and other sectors

Technical Parameters

Model	Y09-550	Y09-5100
Display	LCD display	
Weight	7.5 Kg	
Max. Consumption	80W	
Power Source	DC16.8V(Built-in Lithium Battery)	
Size Channels	0.5, 1, 3, 5, 10, 25μm	
Calculation	95% UCL calculation of particle concentration can be displayed directly (particles / cubic meter, grain / cubic feet)	
Flow Rate	50L/min import sampling pump	100L/min (Imported Pump)
Sample Time	6～999999s optional (Selectable)	0~999999s(Selectable)
Zero Count	⩽10min	
Location Labels	0-9999	
Printer	Built-in thermal printer	
Alarm	Class	ISO / own (Class)
Date Storage	20000 Group / Section 300 UCL (with a PC dedicated communication software)	
Output	USB	
Light Source	Laser Diode (30000 hours mean time between failures)	
Maximum Rated Particle Concentration	35000 particles / L	
Operating Time	5 hours	3 hours
Environmental	Temperature:10~35degrees celsius Humidity:20~75percent RH Atmosphere Pressure:86~106Kpa	

PARTICLE COUNTER

Y09–310LCD Y09–310AC/DC LASER 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 simul taneously. 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.

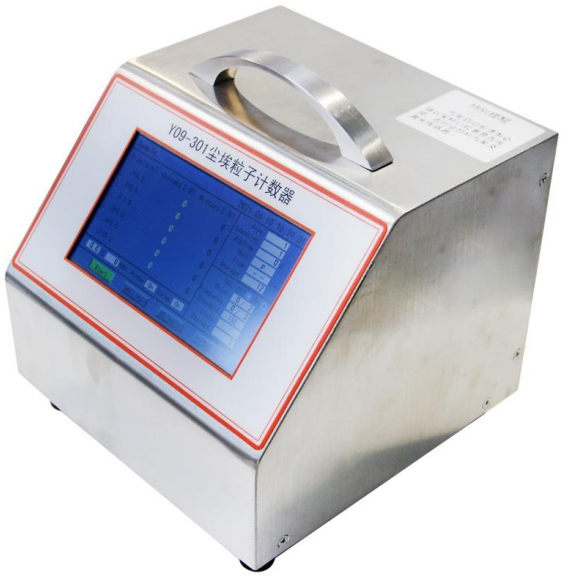
Technical Parameters

Display	LCD
Weight	7.5Kg
Max. Consumption	48W
Power Source	DC 16.8V (Lithium Ion Battery)
Size Channels	0.3, 0.5, 1, 3, 5, 10 μm
Calculation	95%UCL calculation, Display Particle Concentration
Flow Rate	28.3L/min (Imported Pump)
Sample Time	1—10min (Selectable)
Zero Count	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/L
Operating Time	3 hours
Environmental Temperature	10degrees celsius-35degrees celsius
Humidity	20%-75%RH
Atmosphere Pressure	86Kpa-106Kpa

PARTICLE COUNTER

HOT SALE

Y09–301LCD Y09–301(AC/DC) AIRBORNE PARTICLE COUNTER



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Technical Parameters

Display	LCD
Weight	4.5Kg
Max. Consumption	10W
Power Source	AC 220V ± 10%,50Hz
Size Channels	0.3, 0.5, 1, 3, 5, 10 μm
Flow Rate	2.83L/min (Imported Pump)
Sample Time	1—10min (Selectable)
Zero Count &le	10min
Location Labels	0-999
Printer	Built-in Thermal Printer
Alarm	100, 1000, 10000 Class
Data Storage	1000 Samples (With PC Software)
Light Source	Laser Diode (30, 000 hours Mean Time Between Failures)
Maximum Rated Particle Concentration	35000 particles/L (μm)
Operating Time	8 hours
Environmental Temperature	10degrees celsius-35degrees celsius
Humidity	20%-75%RH
Atmosphere Pressure	86Kpa-106Kpa
Optional	PC Software