



## ***Airborne Particle Counter MODEL 3900***



### ***Features***

- 28.3 L/min(1.0 cfm) flow rate
- 0.3 micron minimum sensitivity.
- Large 6.4 inch Color touch-screen
- Stores maximum 5,000 data with external memory
- Ethernet and USB connection
- Built-in thermal printer as standard

### ***Benefits***

- High Cost Performance
- Calculation and Reports for ISO14644-1,FS 209E, FB 5295, EC GMP, GB/T
- Control downloaded cleanroom layout on the display screen
- Operate in cleanroom from the control office

### ***Applications***

- Monitor and verify Cleanrooms  
Pharmaceutical  
Semiconductor
- Filter Testing
- Facility certification

# Specifications

Product Name	Airborne Particle Counter Model3900
Light Source	Laser Diode
Size Channels ( $\mu\text{m}$ )	0.3, 0.5, 1.0, 3.0, 5.0, 10.0
Flow Rate	28.3 L/min (1.0 cfm)
Counting Efficiency	50% $\pm$ 20%, Meets ISO/FDIS 21501-4
Zero Count Level	<0.5 particles/cf, Meets ISO/FDIS 21501-4
Maximum Concentration	>500,000 particles/cf (17667.8 particles/L)
Sample Time	1 second to 23 hrs 59 min 59 sec
Sampling Interval	11 second to 23 hrs 59 min 59 sec
Sampling Cycles	1-9,999 while in repeat mode
Delay Time	10 second to 1 hrs (3600 sec)
Location Labels	0-999 ,appears on display and printout
Count Alarm	1-9,999,999 counts
Mode of Measurements	Single / Repeat / Continuous /Calculation Mode corresponds to ISO14644-1,FS 209E,FB 5295,EC GMP,GB/T 16292-1996
Display	6.4 inch Color LCD
Data Storage	Standard CF card (512Mb), maximum 5,000 measurements
Printer	Built-in thermal printer
Interface	Ethernet, USB
Battery	NiMH: expected operation approx.4 hrs.
Power	AC 100-240 V, 50-60 Hz
Dimensions	210(W) x2208(D) x320(H) mm
Weight	Approx. 8kg (without batteries)
Warranty	1 year (Instrument), 2 years (Laser diode)
Standard Accessories	Operation manual, Calibration certificate, Isokinetic probe with tubing(2m), Power cable, Rolled printer paper (2 rolls), Software (for Windows), PC communication cable (USB), Filter
Environmental Operation Condition	Ambient temperature range: 10-40 ° C
Options	Battery, Battery Charger, Carrying case, Temperature/Relative humidity sensor, Air velocity sensor, Pressure sensor



**To use the units correctly and safely, read the Operation Manual carefully before use.**



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Specifications subject to change without prior notice

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