



# KANOMAX

The Ultimate Measurements



# Airborne Particle Counter Model 3900



## Applications

- Cleanroom Monitoring
- Cleanroom ISO Certification
- USP 797 certification
- Facility Monitoring
- Filter Testing

## Features

- Particle size: 0.3, 0.5, 1.0, 3.0, 5.0, 10.0  $\mu$  m
- Sampling airflow: 28.3L/min
- Air velocity range: 0 to 197 fpm \*
- Temperature range: 32 to 122F \*
- Relative humidity range: 3 to 98%RH \*
- Differential pressure range: +/-100Pa \*
- Built-in printer
- Power supply: Li-ion battery or AC 100 - 240V
- Data logging: Store up to 10,000 measurements
- PC communication via Ethernet

\* Require option sensor

## Benefits

- Large touch screen
- Small footprint
- Display 6 particle sizes simultaneously in cf or m<sup>3</sup>
- Capable of remote control
- Multi-parameter: Particle, Air velocity, Temperature, Humidity, Pressure
- Multi-standard mode: ISO, FS 209E, BS 5295, EC GMP

## Applications



Cleanroom Certification



Facility Monitoring



Airborne Contamination Control

# Airborne Particle Counter Model 3900

## Specifications

Light Source	Laser Diode
Channel Sizes ( $\mu$ m)	0.3, 0.5, 1.0, 3.0, 5.0, 10.0
Flow Rate	28.3 lpm (1.0 cfm)
Zero Count Level	1 count or less in 5 minutes (meets JIS B9921-1997)
Counting Efficiency	50% at 0.3 $\mu$ m (meets JIS B9921-1997)
Coincidence Loss	Less than 5% at 500,000 particle/cf
Max Detectable Concentration	500,000 counts/cf (17,667.8 counts/L)
Sample Time	1 second to 23 hrs 59 min 59 sec
Delay Time	0 second to 23 hrs 59 min 59 sec
Sampling Cycles	1 - 9,999 while in repeat mode
Location Labels	0 - 999 appears on display and printout
Display	6.4 inch color touch screen
Data Storage	5,000 samples (when using standard 512MB CF card)
Printer	Built in (compatible with Dust-free Paper)
Hardware Interface	USB, Ethernet
Operating Time (Battery)	4 hours continuous operation
Battery Type	Removable Li-ion
Charging Time	6 hours
Power	AC 100 - 240V, 50 to 60Hz
Dimensions	W 8.3 x D 8.6 x H 12.5 inches (21 x 22 x 32 cm)
Weight	17.5 lbs (8 kg)
Enclosure Material	Stainless Steel
Operating Environment	50 to 104°F (10 to 40°C)
Warranty	1 year (Instrument) / 2 years (Laser Diode)
Standard Accessories	Operation Manual, Isokinetic Probe, Power Cable, Battery & Charger Printer Paper (2 rolls), Zero Filter, USB Cable, Data Download Software (Windows)
Optional Accessories	Carrying Case, Temperature and Humidity Probe, Air Velocity Probe Differential Pressure Sensor

\* For safe and trouble free operations, please read Operation Manual carefully before using Kanomax instruments.



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