

Airborne Particle Counter Model 3900



Features:

- Simultaneous measurements of 6 particle sizes
- Large touch screen LCD display
- Air velocity, temperature, humidity, and differential pressure measurements with
- 28.3 L/min (1.0 cfm) flow rate
- Store up to 5,000 measurements
- Small footprint, Stainless enclosure
- PC software allows Remote control, Real-time
- Multi-standard mode:
ISO 14644, FS 209E, BS 5295, EU GMP
- **21 CFR Part 11 compliance:**
password authentication and management, secure data, and audit trails



Software Functions

Real-Time Monitoring

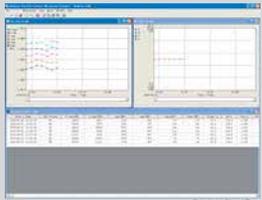
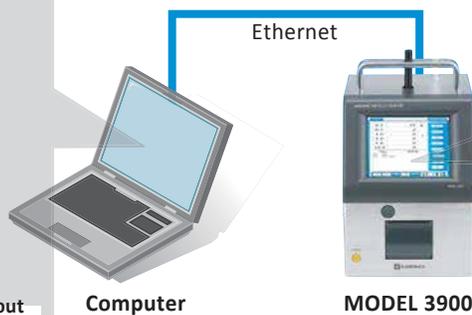
Remote Control

Register Facility Layout

Simultaneously displays all Measurements

21 CFR Part 11 Compliance

Map Navigation



Portable Particle Counter Model 3900

Specifications

Light Source	Laser Diode
Channel Sizes (μ 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
Counting Efficiency	50 \pm 20%
Spurious Count	0.3 count/cf or less
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)
Interface	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 95° F (10 to 35°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, Airborne Particle Counter Software, Calibration certificate
Optional Accessories	Carrying case, Temperature and humidity probe, Air velocity probe Differential pressure sensor, Pressure sensor cable, Stainless isokinetic probe

Probe Specifications

Model	0842 Temp / Humidity probe	 <p style="text-align: right;">0842</p>
Temperature Ranges	32 to 122°F (0 to 50°C)	
Relative Humidity Ranges	3 to 98 %RH	
Dimensions	∅0.6" x 4.5"	 <p style="text-align: right;">0843</p>
Model	0843 Air velocity probe	
Air Velocity Ranges	0 to 197 fpm (0 to 1.0 m/s)	
Dimensions	∅0.8" x 5.9"	

All specifications subject to change without prior notice

