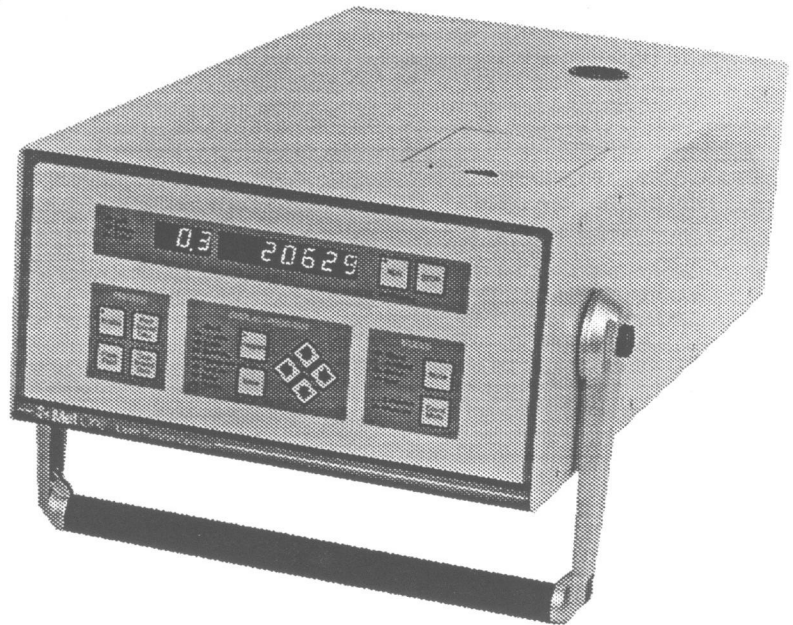


Model A2100B/A2200B

Laser Based Airborne Particle Counters



0.10 μ m at 1 cfm. All day. Every Day.

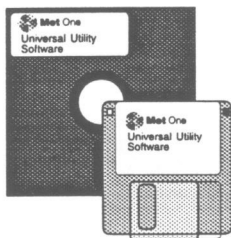
- Built-in Fed-Std-209E calculations
- Selectable number of samples
- Field-proven reliability
- Internal or external printer
- Spreadsheet-compatible data files with UUS software

THE A2100 SERIES SETS THE STANDARD for reliable performance at 0.10 micron sensitivity. With built-in Fed-Std-209E calculations, and programmable count cycles, these models are ideal for day-to-day testing in production environments.

The particle counters maintain laser stability for reliable 0.10 μ m sensitivity with an innovative internal laser-cavity design that ensures stable, reproducible calibration.

Models are available with various size ranges and a complete set of accessories, including environmental sensors for measuring relative humidity, temperature, and air velocity, isokinetic probes designed for filter bank testing, internal or external printers, carrying case, and instrument cart.

Accessories



Universal utility software (UUS)
 (for retrieving data from counter memory into a PC via an RS-232 cable and for controlling the counter with a PC)

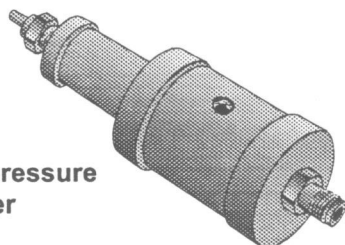


1 CFM isoprobe on tripod



Relative humidity /temperature sensor

Relative humidity
 Range 10-90%
 Accuracy ± 3%
 Temperature
 Range 0-100°F (Centigrade opt.)
 Accuracy ± 1°F



High pressure diffuser



Air velocity sensor

Range 80-120 feet per minute (standard)
 0-200 feet per minute (optional)
 0-300 feet per minute (optional)
 Accuracy ± 2%

Specifications

Size Channels		Sample Time	
A2100B	0.1, 0.2, 0.3, 0.5, 0.7, 1.0	Automatic	1 second to 24 hours
A2200B	0.2, 0.3, 0.5, 1.0, 3.0, 5.0 microns and larger	Manual	manual start and stop
Flow Rate	1 cfm	Hold Time	1 second to 24 hours
Coincidence Loss	<5% at 40,000 concentration	Audible Alarm Range	1-9,999,999 particles per channel
Light Source	HeNe laser, open cavity	Size	
Display	seven-digit LED	A2100B	13.22" wide x 6.75" high x 22" deep
Air Flow Monitor	electronic with LED display, rear-panel adjustment	A2200B	13.5" wide x 8" high x 22.5" deep
Calibrations	front-panel LED display, diagnostic indicators	Weight	
Factory Calibration	mono-dispersed polystyrene latex spheres	A2100B	42 pounds (19 kg)
Output	printer (built-in or optional external RS232, RS485 serial interface	A2200B	38 pounds (17.2 kg)
209E Calculations	mean of averages, standard deviation, standard error, upper 95% confidence limit	Power	110 Watts, 115 V, 60Hz (220 V, 50Hz optional) (100 V, 50Hz optional)

Specifications subject to change without notice



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