

Flexibility and reliability in a 1.0 cfm counter

Model 5230/5250A Airborne Particle Counters

FEATURES

- 0.3 micron at 1.0 cfm (5230)
- 0.5 micron at 1.0 cfm (5250A)
- Counts 8 sizes simultaneously
- Supports manifold sampling, up to 20 ports
- Fed-Std-209E calculations
- Graphical display of counts
- Alphanumeric entry of Operator ID and Sample ID
- Built-in printer

APPLICATIONS

- Rapid survey of multiple cleanroom points; identify each with a alphanumeric label
- Test filters in place
- Verify compliance of critical and controlled areas in medical, pharmaceutical and hospital environments
- Monitor LAF, biohazard benches
- Verify cleanroom laundries
- Certify clean zones to Federal Standard 209E



The Model 5230 and Model 5250A counters provide flexibility for sampling any clean environment. Alphanumeric sample point labels provide assurance that data is collected at the right points. If unique particle size channels are required, then these counters are ideal – each of the eight channels can be programmed in the field for any size within the basic range of the counter. Need to follow ISO14644-1 guidelines one day, and BS5295 the next? Not a problem with these versatile twins. And this flexibility comes with the built-in control of up to three different levels of password protection. So your carefully crafted configurations will not be upset by accidental reprogramming. Each operator can enter their own ID to further define the sampling process.

The Model 5230 and Model 5250A can support up to three additional environmental probes, such as Relative Humidity, Temperature, Air Velocity and Differential Pressure. Alarms can be signaled by a relay output; the counter can be started by a remote signal, too. The Model 202 Manifold can be coupled to either of these counters, giving the opportunity to measure up to (20) sample positions sequentially using just the one counter. For very dirty environments, the Isodiluters™ can provide either a 10x or a 50x reduction of airborne particle concentration to avoid saturating the counter.

Data can be printed or displayed on the front panel in the form of a histogram, making analysis of particle distributions very easy. The Model 5230 or 5250A will make taking the counts in your cleanroom infinitely easier due to their range of features. Put this full-featured instrument to work in your facility today.

Model 5230/5250A Airborne Particle Counters

SPECIFICATIONS

Size Channels (μm)	8	
	5230	User selectable, starting at 0.30
	5250A	User selectable, starting at 0.50
Flow Rate	1.0 cfm (28.3 lpm)	
Locations Labels	0 to 999, alphanumeric	
Data Storage	Last record	
Sample Time	1 second to 3 hours	
Delay Time	0 second to 100 hours	
Initial Delay	0 second to 3 hours	
Count Cycles	0 to 99	
Display	LCD; graphical display; histogram or time curve	
Count Data	Total counts, counts/ft ³ , counts/m ³ , to 10 million	
Password	3 levels; 16 alphanumeric characters	
Coincidence Loss	Less than 5% at 500,000 particles/ft ³	
Light Source	Laser diode	
Printer	Built-in	
Operator Entry	Front panel keypad; RS232	
Power	90-132 VAC or 180-250 VAC, 50/60 Hz	
Size	12" wide x 10.25" high x 16" deep (30 x 26 x 40 cm)	
Weight	30 lbs (14 kg)	
Output	Built-in printer; RS232C for computer	
Accessories Included	Isokinetic Probe with Tripod; Purge Filter; AC Cord; Printer Paper; Operator's Manual	

ORDERING GUIDE

When ordering, specify:	
Basic Sensitivity	0.3 micron (5230) or 0.5 micron (5250A)
Power (AC)	90-132 VAC or 180-250 VAC

OPTIONAL ACCESSORIES

Relative Humidity/Temperature Sensor combined with Isokinetic Probe
 Air Velocity Probe
 Differential Pressure Sensor
 Filter Scanning Probe, non-electronic
 High Pressure Diffuser
 20-port Manifold (Model 202)
 Isodiluter™, 10x or 50x
 Particle Vision® PortAll™ v.2 Software
 Carrying Case
 Instrument Cart



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