



Technical Data

Specifications

Number of Size Ranges	2, 4, 5, or 6 (selected at time of order)
Particle Size Ranges	0.3, 0.5 microns (2 ranges) 0.3, 0.5, 1, 5 microns (4 ranges) 0.3, 0.5, 1, 5, 10 microns (5 ranges) 0.3, 0.5, 1, 3, 5, 10 microns (6 ranges)
Sample Flow Rate	1 cfm
Coincidence Loss	Less than 5% at 400,000 particles/cu. ft.
Counting Efficiency*	50% for 0.30 micron and 1 cfm
Minimum Counts Ratio*	2:1
Light Source	Laser diode (30,000 hours MTTF)
Count Display	7-digit LED
Maximum Count Displayed	9,999,999
Sample/Hold Times	1 second to 24 hours
Count Alarms	1 to 9,999,999 counts
Data Storage	400 samples, rotating buffer
Count Cycles	up to 999 while in Automatic mode
Locations	up to 999, number appears on printout
Output	RS-232C/RS-485 for computer
Sensor Type	70°-angle, laser diode
Pump Type	air vacuum, 1 cfm
Size	11.2" wide x 6.0" high x 18.0" deep (28.5 x 15.3 x 45.7 cm)
Weight	24 lbs. (11 kg.)
Power	150 watts, 100, 115, or 230 vac ±10% (specify), 50 - 60 Hz
Environment (Operating):	
Temperature	12 to 29°C (55 to 84°F), typical
Humidity	10 to 85% relative, non-condensing
Environment (Storage):	
Temperature	-40 to 50°C (-40 to 122°F)
Humidity	Up to 98% relative, non-condensing

* Overall particle counter performance exceeds Japanese Industrial Standard JIS B 9921



■ Limit
■ Sensor
■ Airflow

0.3 00000000

RUN STOP

■ Counting

PRINTER

■ Enable
■ Print Stored Data
■ Paper Feed
■ Clear Stored Data

DISPLAY / PROGRAM

■ Count
■ Location
■ Cycles
■ Date/Time
■ Period/Hold
■ Temp./RH
■ Spare
■ Options

■ Program
■ Enter



MODES

■ Manual
■ Automatic
■ Concen.
■ Beep
■ Cumulative
■ Differential

■ Mode
■ Count Mode

Met One

Laser Particle Counter

A2400