

Handheld Particle Counter

- Monitor and verify cleanrooms
- Test filters in place
- Track down particle sources
- Monitor:
 - > Laminar Air Flow and biohazard benches
 - > Cleanroom laundries
 - > HVAC systems
 - > Computer rooms
 - > Food and beverage packaging
 - > Hospitals: Pharmacy and surgery
 - > Indoor Air Quality (IAQ)
 - > Aerospace Assembly
 - > Medical Device Assembly
 - > Automotive: Paint spray booths
 - > Filter performance
- The ST-HPC306 model is reliable and easy-to-use machine; it's portable, six size channels, and a built-in printer all in one compact instrument.
- It counts airborne particles in six different size ranges simultaneously.
- Count data is displayed on the front-panel as total number of particles (cumulative count).
- The printout shows cumulative count data for each size range.
- Now it is easy to carry a particle counter right to the point of interest and obtain accurate results—results you can immediately print or store in buffer.
- The bright LED display lets you see the data easily and error-free.



Specification of Handheld Particle Counter

Model	ST-HPC306
Channel thresholds	6 channels: 0.3, 0.5, 1.0, 2.0, 3.0, 5.0um
Flow Rate	0.1 ft ³ /min (2.83L/min)
Light Source	Laser diode
Calibration particles	SIMT Certification
Max. Concentration	2,000,000 particles per cubic feet
Zero Count	< 1 per 5 min
Counting efficiency	50% @ 0.3um, 100% @ 0.5um
Communication modes	RS232 via DB9
Communication protocol	9600 bps Baud rate
User Interface & display	320 x 240 pixels high resolution LCD
Data display modes	Counts, counts (m ³), counts (cfm)
Sampling Modes	Manual repeated, Auto for UCL calculation (calculation for all 6 channels)
Error message (real-time)	Exceed alarm limits, battery status indication
External software	Easy upload to PC
Data Storage	1000 samples
Data Security	cannot edit stored data, cannot delete individual records
External Surface	ABS (Plastic resin)
Dimension (W x H x D) cm	23 x 13 x 4.5
Weight	0.6kg
Power	AC Adapter 100-240 VAC, 50/60 Hz
Batteries	3.7V Li-on rechargeable batter 4800 mAH
Operating time on battery	more than 5 hours for sampling
Battery recharging	External charger
Operating temperature	10 - 35°C
Operating Humidity	0-85%