

Portable Airborne Particle Counter

LPPC-A1 Series



Portable airborne particle counter LPPC-A1 Series are six channel microcomputer controlled units. They have a provision of simultaneously counting particles in six different size ranges with real time monitoring. Equipped with built-in thermal sensitive printer for direct printing of pre-recorded and current data for end user convenience. The particle count data can be conveniently viewed, downloaded or printed directly using the built-in printer featuring multiple print mode.

Features

- Laser sensor based particle detection
- Dual counting mode (Auto/Manual)
- Data conversion : ft³ and m³
- Data Display modes : Counts, Counts/m³, Counts/ft³ (LPCC-A11)
- Date and time display

Applications

Used in clean room monitoring, indoor air quality testing, filter testing, tracking particle sources, pharmaceuticals, R&D labs, and electronics and semiconductor industries; monitoring of bio-safety cabinets, clean benches, computer rooms and HVAC system performance.

Specifications

Model	LPPC-A10	LPPC-A11
Particle size channels	0.3 μm, 0.5 μm, 1.0 μm, 3.0 μm, 5.0 μm, 10.0 μm	0.3 μm, 0.5 μm, 1.0 μm, 3.0 μm, 5.0 μm, 10.0 μm
Flow Rate	0.1 CFM (2.83 L/min)	0.1 CFM (2.83 L/min)
Test class	Class 100 ~ Class 300,000	Class 100 ~ Class 300,000
Built-in battery	No	Yes
Test period	1 min ~ 10 min (10 levels)	1 min ~ 10 min (10 levels)
UCL Calculation	95 %	95 %
Light source and life	Semiconductor laser (> 30,000 hours)	Semiconductor laser (> 30,000 hours)
Self-clean time	≤ 10 min	≤ 10 min
Operating temperature range	10 °C to 35 °C	10 °C to 35 °C
Operational humidity	≤ 75 % RH	≤ 75 % RH
Battery type	–	Rechargeable Lithium-ion
Battery life	–	> 4 hours continuous usage
Power	220 V ± 10 %, 50 Hz ± 2 Hz	–
Power dissipation	15 W	15 W
Dimensions	215 x 255 x 110 mm	215 x 255 x 110 mm
Weight	2.6 kgs	2.9 kgs

Standard accessories

Accessory No	Accessory	Quantity
1.	Aluminum alloy case	1
2.	Power cord	1
3.	Sampling rack	1
4.	Printing paper	1
5.	Fuse	1
6.	Operating manual	1