

**PORTABLE AIRBORNE
PARTICLE COUNTER
LD-LPPC-A1 SERIES**



Portable Airborne Particle Counter LD-LPPC-A1 Series

Portable airborne particle counter LD-LPPC-A1 Series is a six channel microcomputer controlled unit. It has 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
- Date and time display
- Data Display modes : Counts, Counts/m³, Counts/ft³ (LD-LPPC-A11)
- Built-in rechargeable battery (LD-LPPC-A11)

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 biosafety cabinets, clean benches, computer rooms and HVAC system performance.

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

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Specifications:

Model No.	LD-LPPC-A10	LD-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	0.95	0.95
Light source and life	Semiconductor laser	Semiconductor laser
	(> 30,000 hours)	(> 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
Power	220 V ± 10 %, 50 Hz ± 2 Hz	-
Battery type	-	Lithium-ion
Battery life	-	> 4 hours continuous usage
Power dissipation	15 W	15 W
Dimensions	215 x 255 x 110 mm	215 x 255 x 110 mm
Weight	2.6 kgs	2.6 kgs