

Handheld Airborne Particle Counter












LHPC - A11



Handheld Airborne Particle Counter LHPC-A11

Handheld airborne particle counter LHPC-A11 is a six channel microcomputer controlled particle counter. It offers a provision of simultaneous particle counting in six different size ranges. Features like internal audible alarm and user-selectable alarm limits makes this device an ideal choice for clean room applications.

Features

-  High-resolution LCD screen for displaying particle count of all channels
-  Data conversion : ft³ and m³
-  Data display modes : Counts, Counts/m³, Counts/ft³
-  Delay time and zero count
-  Large data storage capacity (260,000 records)
-  Real time error alarm and excess count limit warning
-  Battery status indication
-  Standard data communication software
-  Light weight ABS plastic body
-  External printer connectivity
-  Provision to export test results to Excel file

Applications

Used in clean room monitoring, indoor air quality testing, filter testing, tracking particle sources; monitoring of biosafety cabinets, clean benches, computer rooms and HVAC system performance.

Specifications

MODEL	LHPC-A11
Particle size channels	0.3 µm, 0.5 µm, 1.0 µm, 2.0 µm, 3.0 µm, 5.0 µm
Flow rate	0.1 CFM (2.83 L/min)
Test class	Class 100 ~ Class 300,000
Test period	1 min ~ 15 min (15 levels)
UCL calculation	95 %
Light source and life	Semiconductor laser (> 30,000 hours)
Self-clean time	≤ 10 min

Operating temperature range	10 °C to 35 °C
Operational humidity	≤ 75 % RH
Batteries	Lithium battery
Battery life	> 8 hours of continuous usage
Communication interface	USB
Dimensions	245 x 130 x 45 mm
Weight	0.9 kgs

Standard Accessories

Accessory No.	Accessory	Quantity
1.	Aluminum alloy case	1
2.	Operating manual	1
3.	Power adapter	1
4.	Sampling head	1
5.	USB line	1

Optional Features

Sr. No	Modules	Quantity
1.	Temperature and humidity	1
2.	Differential pressure	1
3.	Air velocity	1