VIDEO

DATA OUTPUT

HANDHELD AIRBORNE PARTICLE COUNTER
CODE 0811-CA01



high efficiency filter (included)



- Widely used in electronic production clean room testing, filter leakage detection, monitor biological safety, HVAC systems, computer rooms, food packaging environments, pharmaceutical and medical device production environments, hospital clean operating rooms, automotive spraying environments, etc.
- Using semiconductor laser sensor
- Measures the size and number of dust particles per unit volume of air in clean environments, and can be set to alarm at different purification levels
- Simultaneous counting of six counting channels (0.3μm, 0.5μm, 1μm, 3μm, 5μm, 10μm), and can be stored according to the room number respectively, according to the calculation of the upper confidence limit of 95% for each room (UCL value)
- It can be connected to a PC data acquisition system for remote control

SPECIFICATION

Sampling flow	range	2.83L/min (0.1ft³)
	accuracy	±5%
Particle	particle diameter passage	0.3μm, 0.5μm, 1μm, 3μm, 5μm, 10μm, simultaneous counting of six particle diameters
	repeatability	≤10%FS
	error of particle sizes	±30% (0.5μm, 5μm)
	accuracy	±30%FS (0.5μm)
Self-cleaning time		≤10min
Delay sampling time		0~99s
Sampling time		1s~9999s
Sampling mode		single, repeated, continuous, calculate, remote
Unit conversion		m³, ft³
Counting mode		cumulative value, difference value, concentration value
UCL setting*		sampling points (A): set from 2 to 9, sampling times per point (L): set from 2 to 9, location: set from 0 to 999
Alarm setting		the instrument is equipped with a clean room level alarm function, which will alarm when it exceeds the standard of class 100, 1000, 10000, 100000, 300000, 1000000, and will also alarm when the battery voltage is too low
Data storage		store 1000 sets of data (including particle size, data, environmental data, time, sample volume, data location), no data loss after power failure
Environmental requirement		temperature: 0~40°C, relative humidity: 20~90%, no condensation, the instrument should be used in a non-corrosive air environment
Power supply		16.8V rechargeable Li-ion battery, working time 8h
Dimension (L×W×H)		130×230×45mm
Weight		900g

* Upper confidence limit of 95%

STANDARD DELIVERY

Main unit	1 pc
Isokinetic sampling port	1 pc
High efficiency filter (0811-CA01-F)	1 pc
Communication cable	1 set
Adapter	1 pc
USB disk	1 pc

OPTIONAL ACCESSORY

Printer	0811-CA01-PRINTER
Temperature and humidity sensors	0811-CA01-THW
Tripod	0701-TR175