# HANDHELD AIRBORNE PARTICLE COUNTER
## CODE 0811-CA01

DATA OUTPUT

- Widely used in electronic production enterprises 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

high efficiency filter (included)

## 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 cleanroom 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 | | 230×130×450mm |
| Weight | | 600g |

*upper confidence limit of 95%

## STANDARD DELIVERY

| Main unit | 1pc |
|---|---|
| Isokinetic sampling port | 1pc |
| High efficiency filter | 1pc |
| Communication cable | 1set |
| Adapter | 1pc |
| USB disk | 1pc |

## OPTIONAL ACCESSORY

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