

## Portable Biological Air Sampler CTZ-PBAS-100



Portable Biological Air Sampler is designed according to the multi-beam hole particle effect and isokinetic sampling principle. It more accurately absorbs airborne organisms. While sampling, airborne particles attach to the agar surface of substrate materials through small holes. Organisms in the particles form colonies on top of the agar plate after incubation and these can be counted.

This instrument consists of two parts, the sampling part, and the controller part. The top sampling part; includes a sampling base consisting of sampling jet holes and a vacuum air pump. The sampling base and shell are made of high-quality aviation aluminum, the surface holes can be sealed so the whole instrument is suitable to be sterilized before use. The lower part contains the controller and batteries.

This device is easy to use. It has a large sampling volume, stable performance, and complies with international standards. It is an ideal Portable Biological Air Sampler for medical plants, hospitals, biological products, food processing, public places, and other inspection departments.

### Features

- ◆ The sampling part has many small holes to reduce particle superposition and reduce the error of organism count.
- ◆ LCD screen displays sampling quantity, sampling time, and other parameters.
- ◆ Programmable, sampling quantity can be set from 0.01 to 6.0 m<sup>3</sup>.
- ◆ Up to 256 sample data storage of sampling time, sampling volume, and other parameters.
- ◆ Portable, lightweight, convenient to use.
- ◆ Easy to change petri dish, just only take down sampling hole to change petri dish. (Petri size; Diameter: 90mm, Height: 15mm).

### Specification

|                                     |   |
|-------------------------------------|---|
| <b>Part Number</b>                  | CTZ-PBAS-100  |
| <b>Product Name</b>                 | Portable Biological Air Sampler                                       |
| <b>Material</b>                     | Aviation aluminum   |
| <b>Structure</b>                    | PC board control, low noise pump sampling                             |
| <b>Flow rate</b>                    | 100L/min  |
| <b>Rechargeable Li-ion battery</b>  | DC7.4V/6400mAh  |
| <b>Operating Time on Battery</b>    | 6-8 hours   |
| <b>Power Supply</b>                 | AC & 220V±10%, 50Hz/60Hz  |
| <b>Package Size(LxWxH)</b>          | 190 x 380 x 420 mm  |
| <b>Net Weight</b>                   | 2.5 kg  |
| <b>Gross Weight</b>                 | 6.0 kg  |
| <b>Accessory</b>                    | Carrying case and Petri dish (2 pcs)                                  |
| <b>Wind Speed of sampling holes</b> | 0.4m/s, basically the same as that of cleanroom (Isokinetic sampling) |