



## LASER DUST PARTICLE COUNTER BKF-3401

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Y09-550 PARTICLE COUNTER



## SPECIFICATIONS

|                                     |                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Model                               | BKF-3401                                                                                                             |
| Parameter                           | Specification                                                                                                        |
| Sampling flow rate                  | 50L/min $\pm$ 5% (1.77CFM)                                                                                           |
| Particle size                       | 0.5um, 1um, 3um, 5um, 10um, 25um                                                                                     |
| Verification standards              | GB/T6167-2007, JJF1190-2008, GMP                                                                                     |
| Repeatability relative error        | $\leq \pm 10\%$                                                                                                      |
| Particle size distribution error    | $\leq \pm 30\%$                                                                                                      |
| Maximum sampling concentration      | 35000 particles/liter                                                                                                |
| Self purification                   | $\leq 10$ min (counting 3 consecutive times within 10 minutes to zero, 95% confidence level)                         |
| Sampling time                       | 5~9999s                                                                                                              |
| Sampling delay                      | 0~100s                                                                                                               |
| Sampling area                       | 0~9999                                                                                                               |
| Sampling position                   | 0~9999                                                                                                               |
| Working hours                       | Continuous testing time 5 hour                                                                                       |
| Data memory capacity                | 1~5000                                                                                                               |
| Screen display                      | color 8-inch touch screen                                                                                            |
| Printer                             | built-in thermal printer                                                                                             |
| Power supply                        | AC220V/50Hz                                                                                                          |
| Built in lithium battery            | DC 16.8V, 18650                                                                                                      |
| Battery charging time               | 5Hour                                                                                                                |
| Cleanliness level judgment standard | ISO14644-1, GMP static, GMP Dynamic                                                                                  |
| Temperature and humidity            | Optional                                                                                                             |
| Environment                         | usage environment: 0~40°C, relative humidity 10-90% \nStorage environment: -30°C to 45°C, relative humidity 0 to 90% |
| Overall dimension (LWH)             | 315 x 260 x 230                                                                                                      |
| Material                            | SUS304                                                                                                               |
| weight                              | 8Kg                                                                                                                  |
| Alt Name                            | Particle Counter                                                                                                     |

## APPLICATIONS

The laser dust particle counter (50L/min) is used to measure the size and number of dust particles in a unit volume of air in a clean environment. It can directly detect clean environments with cleanliness levels of A and B areas. The laser dust particle counter adopts a semiconductor laser light source, a large touch screen display, small size, light weight, high detection accuracy, simple and clear functional operation, microprocessor control, can store and print measurement results, and is very convenient for testing in a clean environment. In addition, data can be downloaded and stored through computer specific software.

The products are widely used in departments such as medicine, optics, chemistry, food, cosmetics, electronic health, biological products, aerospace, etc.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)