

# ONLINE PARTICLE COUNTER



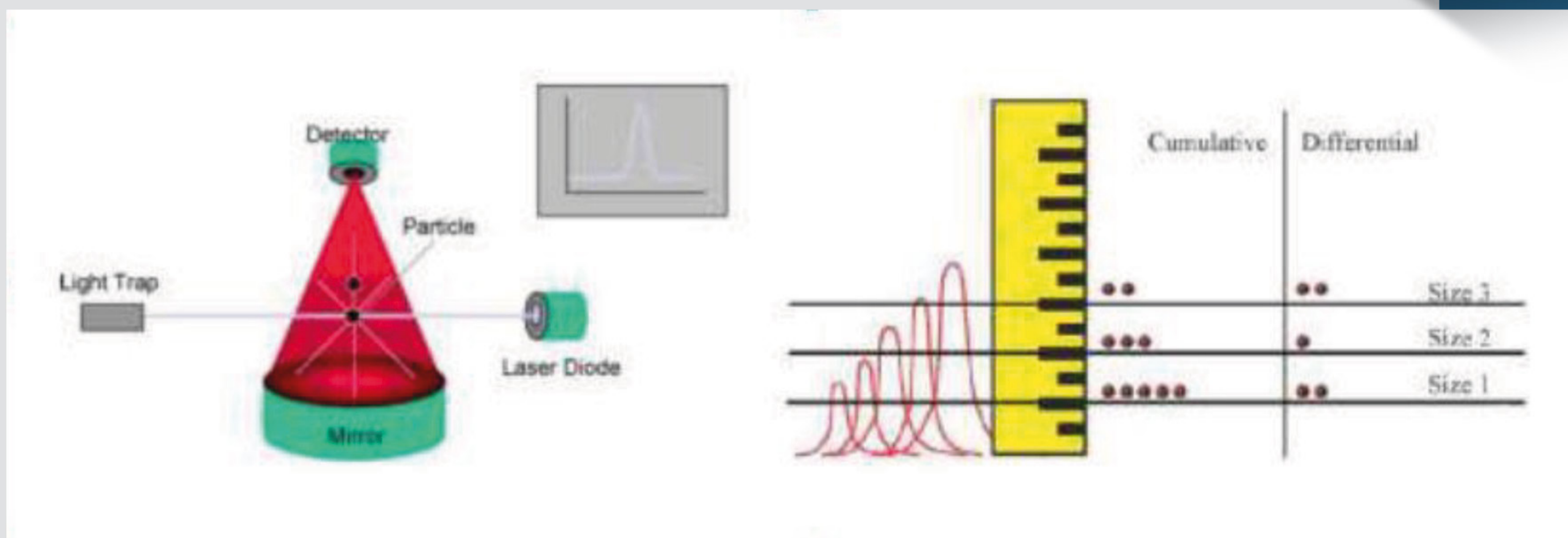
## Application

Remote particle counter is used to measure the size of 0.5 $\mu$ m and 5 $\mu$ m dust particles per unit volume of air of aseptic room in the production area, and can directly detect class of ISO Class 5-9 (EU GMP Grade A-D) clean environments. The instrument is in line with the new version of GMP, ISO14644, FDA, JJJ1190-2008 standard. It uses laser diode light source, built-in pump to achieve continuous monitoring. Signal transmission distance up to 1.2km, each size range can be set the maximum number of particles, and will alarm when exceeding limit.



## Working principle

The instrument uses the light scattering principle. When the particles pass through the laser beam, it scatters the light. By detecting the light scattered, the quantity and the size of the particles will be determined.



## MAIN TECHNICAL PARAMETERS

- Dimensions 275×450×175mm<sup>3</sup> (W×D×H)
- Weight 4kg
- Maximum power consumption 40w
- Power supply DC24V
- Size channels 0.5, 5.0 ( $\mu$ m)
- Sample flow rate 28.3L/min
- Operating environment Temperature: 10°C–40°C, RH: 20%–90% Atmospheric pressure : 86kPa–106kPa
- Zero count  $\leq$ 10mi