# CLJ-H603 handheld particle counter

## FEATURES:

1. 0.1 CFM (2.83 LPM) flow rate
2. Six particle-size channels
   (0.3, 0.5, 1.0, 2.0, 3.0, 5.0μm)
3. 320×240 pixels LCD display
4. Rechargeable Li-ion battery
5. Internal audible alarm
6. 95% UCL Calculation
7. Large memory for storing data(1500 samples)
8. Data easily downloaded to computer
9. Lightweight (0.6kg)

## APPLICATIONS

• Monitor and verify cleanrooms

• Test filters in place

• Track down particle sources

• Monitor:

   Laminar Air Flow and biohazard benches

   Cleanroom laundries

   HVAC systems

   Computer rooms

   Food and beverage packaging

   Hospitals: Pharmacy and surgery

   Indoor Air Quality (IAQ)

   Aerospace Assembly

   Medical Device Assembly

   Automotive: Paint spray booths

   Filter performance

The CLJ-H603 model is reliable and easy-to-use machine; it's handheld, ergonomically designed and lightweight

The Model CLJ-H603 counts airborne particles in six different size ranges simultaneously. Count data is displayed on screen (320×240 pixels, high resolution) as total number of particles (cumulative count). Data can be easily downloaded to computer, or print out by an optional printer.

Now it is easy to carry a particle counter right to the point of interest and obtain accurate results–results you can immediately print or store to computer. The large LCD display lets you see the data easily and err-free.

**Specifications**

| Model | CLJ-H603 |
|---|---|
| **Channel thresholds:** | 6 channels:0.3,0.5,1.0,2.0,3.0,5.0µm |
| **Flow rate:** | 0.1 ft^3/min. (2.83 L/min.) |
| **Light source:** | Laser diode |
| **Calibration particles:** | SIMT certification |
| **Max. concentration:** | 2,000,000/ft^3 |
| **Zero count:** | <1 per 5 min. |
| **Counting efficiency:** | 50% @ 0.3µm, 100%@0.5µm |
| **Communication modes:** | RS232 via DB9 |
| **Communications protocol:** | 9600 bps Baud rate |
| **User interface & display:** | 320×240pixels high resolution LCD |
| **Data display modes:** | Counts, Counts/m^3, Counts/ft^3 |
| **Sampling modes:** | Manual repeated, Auto for UCL calculation (calculation for all 6 channels) |
| **ISO Certification:** | ISO 5-8 @ 0.5 and 5.0µm |
| **Error messages (real-time):** | Exceeds alarm limits ,battery status indication |
| **External software:** | Easy upload to PC |
| **Data storage:** | 1000 samples |
| **Data security:** | Cannot edit stored data; cannot delete individual records |
| **External surface:** | ABS (plastic resin) |
| **Dimensions (w, h, d):** | 23×13×4.5(cm) |
| **Weight:** | 0.6kg |
| **Power:** | AC adapter:100-240 VAC, 50/60 Hz |
| **Batteries:** | 3.7V Li-on rechargeable battery 4800mAH |
| **Operating time on battery:** | More than 5hr for sampling |
| **Battery recharging:** | External charger |
| **Operating temperature:** | 10 - 35°C |
| **Operating humidity:** | 0-85% |