

# Laser Dust Particle Counter



CLJ-2083S



CLJ-2083

## APPLICATION

The product is widely used in medicine, optics, chemistry, food, cosmetics, electronic health, biological products, aerospace and other fields.

## FEATURES

1. 7-inch touch screen control, friendly interface and convenient operation.
2. Calculated by 95% confidence level (UCL), it can directly display particle concentration (particles/m<sup>3</sup>) and purification level.
3. 4GB data storage card, data storage management.
4. Cold-rolled steel plate material for CLJ-2083, stainless steel material for CLJ-2083S
5. Built-in thermal printer
6. Famous semiconductor laser tube and famous semiconductor photosensitive receiver tube.
7. The counting result can be converted into cubic meters and cubic feet.

## TECHNICAL PARAMETERS

Model	CLJ-2083	CLJ-2083S
Dimension	220*280*185mm	225*270*215mm
Sampling Volume	2.83L/min (0. 1cfm/min)	
Ambient Temperature	10~35℃	
Ambient Relative Humidity	≤75%	
Power	100W	
Six Particle Size Channels	0.3μm, 0.5μm, 1μm, 3μm, 5μm, 10μm	0.3μm, 0.5μm, 0.7μm, 1μm, 2μm, 3μm, 5μm, 10μm
Vacuum Source	Built-in air pump, under control flow	
Light Source	Semi-conductor laser, more than 30,000h	
Zero Count	Less than 10min	
Communication Interface	USB	
Cleanliness Level Range	ISO6~ISO8	ISO5~ISO8
Main Body Material	Cold-rolled steel with powder coated	Stainless Steel
Battery	No	Yes
Voltage	Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz (internal transformer)	
Optional Parts	Temperature sensor, humidity sensor	
Packing Size	Carton: 410*410*300mm Wood: 510*490*370mm	Carton: 485*435*395mm Wood: 570*520*430mm
Gross Weight	Carton: 8.2kg Wood: 15kg	Carton: 13kg Wood: 18kg



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2. Calculated by 95% confidence level (UCL), it can directly display particle concentration (particles/m<sup>3</sup>) and purification level.
3. 4GB data storage card, data storage management.
4. Stainless steel material.
5. Built-in thermal printer
6. Famous semiconductor laser tube and famous semiconductor photosensitive receiver tube.
7. Support WIFI to export data directly.

## TECHNICAL PARAMETERS

Model	CLJ-2803
Dimension	220*350*260mm
Sampling Volume	28.3L/min (1cfm/min)
Ambient Temperature	10-35℃
Ambient Relative Humidity	≤75%
Power	150w
8 Particle Size Channels	0.3μm, 0.5μm, 0.7μm, 1μm, 2μm, 3μm, 5μm, 10μm
Vacuum Source	Built-in air pump, under control flow
Light Source	Semi-conductor laser, more than 30,000h
Zero Count	Less than 10min
Communication Interface	USB, RS485, ethernet communication
Cleanliness Level Range	ISO5~ISO8
Main Body Material	Stainless steel
Voltage	Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz (internal transformer)
Optional Parts	Temperature sensor, humidity sensor, battery
Packing Size	Carton: 480*430*370mm; Wood:570*520*400mm
Gross Weight	Carton: 14kg; Wood: 17kg