Technical Specifications

Specifications	
Particle Size	0.3μm, 0.5μm, 1.0μm, 3.0μm, 5.0μm, 10.0μm(6-Channel)
Reference Standard	ISO 21501-4-2018
Counting Efficiency	0.3μm ≥ 50%; 0.5μm:100%
Sampling Flow	2.83L/min(±5%), 0.1CFM
Particle Distribution Error	≤ ±30%(0.5μm and 5.0μm)
Particle Concentration Error	≤ ±30%FS(0.5μm)
Relative Error of Repeatability	≤10%
Purge Time	≤10min(Continuous 0 for 2 times in 10 minutes; 95% of reliability)
Maximum Sampling Concentration	2,000,000/L
Sampling Time	5s~6h
Sampling Points (Location)	1000
Sampling Times	1000
Sampling Delay	5~240s
Time Interval	5~240s
Counting Modes	Cumulative; Differential concentration/counting
Temperature (Range)	±0.5℃(-10℃~50℃)
Relative Humidity (Range)	±5.0%(0.1%~99.9%)
Dew-Point Temperature (Range)	±0.5℃(0℃~50℃)
Data Storage	10000
Working Time	About 5h
Working Environment	0~50℃, 0~95% (Non-condensation)
Storage Environment	-30~50℃, 0~95% (Non-condensation)
Safety Standard	EN61326-1:2021(Class A) EN60825-1:2014
Characteristics	
Power Supply	7.4V polymer li-ion battery
Product Size	290×103×62mm
Product Net Weight	About 710g
Standrad Accessories	Laser Particle Counter*1, Toolbox*1, User Manual*1, Download Guide of Common Files, USB Cable, Purge Filter, Sampling Tube, Hand Strap
Standard Quantity Per Carton	1pc

Applications

| Cleanroom | Operating Room | Laboratory | Urban Environmental Monitoring |

UNI-TREND TECHNOLOGY

meters.uni-trend.com

UNI-T®

UT337B
Laser Particle Counter

UT337B can measure the quantity and size distribution of airborne particles in real time, featuring six-channel synchronous detection for precise monitoring. With a built-in storage capacity of 10,000 records, it supports photo-linked documentation and offers dual-mode WiFi/USB connectivity, enabling one-click generation of ISO/EU and GMP sampling reports. It is the ideal tool for monitoring indoor air quality and cleanliness levels.

| Multiple Sampling Modes | Photo Capture | PDF Report Export | WiFi/USB Connectivity | Temp. & Hum. Detection |

Color HD Backlit Screen

Audible and Visual Alarm
Triggers LED and buzzer alerts when thresholds are exceeded.

WiFi for mobile APP, Type-C for PC
Supports sampling data export as PDF and CSV

Wi-Fi

Type c

Integrated Camera and Flashlight
Allows environmental snapshot attachment per measurement

Hand Strape Design
Engineered for enhanced grip comfort and operational stability.

6-Channel Measurement
Simultaneous measurement of 6 distinct particle sizes.

5.0μm
0.3μm
3.0μm
1.0μm
10.0μm
0.5μm

Built-in Temperature & Humidity Sensor
Enable multidimensional environmental data analytics.

Temperature   Humidity   Dew Point

Data Storage
Provides a data foundation for process traceability and trend analysis.

X10000

Cleanliness Level Classification
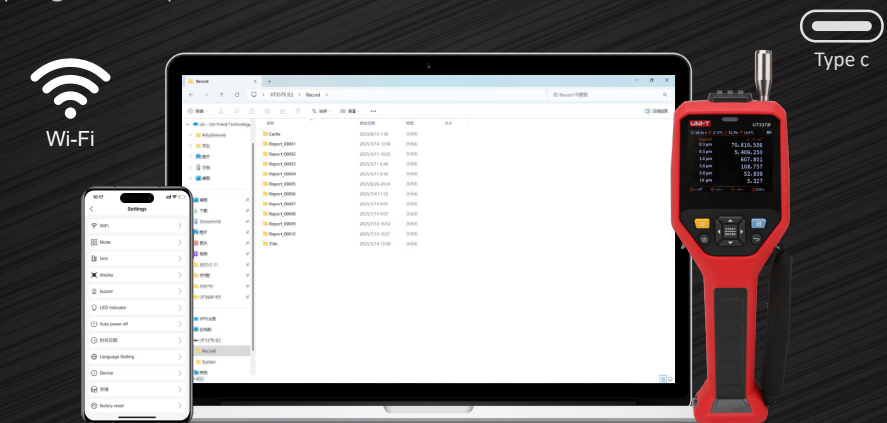Define the required cleanliness level, then assess pass/fail status according to sampling data.
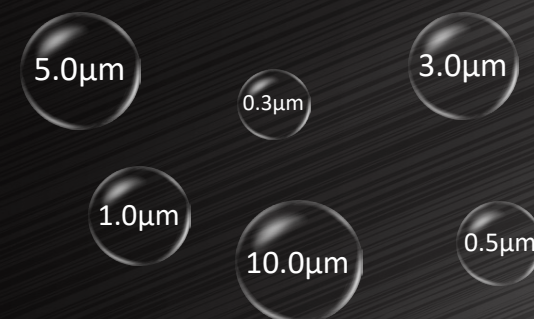
*ISO 14644-1:
CLASS 1~9
*EU GMP: A~D

Multi-Mode Sampling
Adapts to different cleanliness testing scenarios.

Mode	
Mode 1 (Continuous)	◉
Mode 2 (Auto)	○
Mode 3 (Manual)	○
Mode 4 (ISO 9)	○
Mode 5 (GMP B In Operation)	○
Mode 6 (Filtration efficiency)	○
Mode 7 (Zero Count)	○

Supports Switching between 9 languages.

CE