



Handheld Dust Particle Counter



Product Description

Handheld Dust Particle Counter is designed for accurate measurement of airborne particles with advanced diode laser technology. It features a 5.5-inch intelligent touch LCD screen for real-time monitoring and data analysis. The device supports multiple particle size channels and provides precise sampling with high accuracy.

Equipped with built-in storage, USB data export, and Bluetooth connectivity, it ensures efficient data management and reporting. Its portable design, long battery life, and multi-function display make it suitable for laboratories, cleanrooms, and industrial environments.

Technical Specifications

Parameter	Details
Product Name	Handheld Dust Particle Counter
Light Source	Type: Diode laser ($\lambda = 635,000$ hours)
Sampling Flow	Standard flow rate: 2.83 L/min (0.1 cfm) / Accuracy: $\pm 5\%$ (at 2.83 L/min)
Particle Size Channels	Particle size channels: 0.3 μm , 0.5 μm , 1.0 μm , 2.5 μm , 5.0 μm , 10 μm /
Display Mode	Screen: 5.5-inch intelligent touch LCD screen / Information display: real-time concentration histogram, cumulative concentration calculation value, real-
Alarm Setting	Alarm settings for cleanliness level alarms
Data Processing	Storage automatically record and save sampling data, built-in 4GB available storage space / Export: Support U disk export data, Bluetooth printer print
Batteries	Type: Li-ion battery, 3.7V, 10000mAh / Endurance: ≥ 8 hours
Operation and Connection	Interface: dual USB high-speed communication interface, can be connected to
Operating Environment	Temperature: 0°C~40°C / Humidity: 10%~75%
Storage Environment	Temperature: 0°C~45°C / Humidity: 0%~90%RH