



KLABS Portable Airborne / Non-Viable Particle Counter



Product Description

KLABS KPANVPC-1030 Portable Airborne / Non-Viable Particle Counter is a high-performance cleanroom monitoring instrument designed for accurate airborne particle measurement and contamination analysis. The system features TFT touch screen display, multi-channel particle monitoring, secure data transfer, and 21 CFR Part 11 compliance for pharmaceutical, cleanroom, and laboratory applications.

Features

- 9.1-inch Color TFT Touch Screen Display
- User ID and Password Protection
- 0.3 μ m to 10.0 μ m Sensitivity
- Big Flow Rate: 28.3L/min, 50L/min, 100L/min
- Simultaneous Display of up to 8 Particle Sizes
- Secure Data Transfer via USB Flash Drive
- Extreme Life Laser Diode Technology
- Thermal Printer
- Stainless Steel Construction
- Multiple Communication Interfaces – USB, RS-485, Ethernet and USB Flash Drive
- 2000-record Data Storage Memory
- User-Definable Printouts
- Report Wizard for Cleanroom Pass/Fail Reports: FS-209E, ISO-14644-1

Applications & Uses

- Cleanroom Monitoring
- Pharmaceutical Industries
- Hospital & Healthcare Facilities
- Semiconductor Industries
- HVAC Validation Applications
- Environmental Monitoring
- Sterile Manufacturing Areas
- Biotechnology Laboratories
- Food Processing Industries
- Research & Development Laboratories



Accessories

- USB Flash Drive Support
- Thermal Printer
- TFT Touch Screen Display
- Stainless Steel Enclosure
- Communication Interface Ports
- Sampling Probe & Tubing
- Built-in Data Storage System



Technical Specifications

Parameter	Specification
Product Name	KLABS Portable Airborne / Non-Viable Particle Counter
Size Range	0.3 – 10.0 μ m
Channel Sizes	8-Channel: 0.3, 0.5, 0.7, 1.0, 2.0, 3.0, 5.0, 10.0 μ m
Concentration Limits	35,000 particles/L
Light Source	Laser diode (30,000 hours mean time between failure)
Sample Period	1 Sec ~ 5999 Sec (5L-5000L)
Calibration Count Modes	Meets ISO14644 calibration, GMP-2010, 21CFR Part 11
Data Storage	2000 samples
Communication Modes	WIFI, RS-485, Ethernet, USB, Software
Environmental Sensors (Optional)	Temperature, Relative Humidity, Air Velocity, Differential Pressure, Battery or others
Touch Screen Display	9.1 inch (23 cm) color TFT touch screen display
Reports	Pass/fail report wizard for ISO-14644 and FS-209E report formats
Alarms	Integrated alarm buzzer. Alarms on counts, low battery (optional)
Enclosure	Stainless Steel
Power	220V $\pm$ 10%, 50Hz $\pm$ 2Hz
Languages	English / Chinese / Customize

Model

Model Number	Flow Rate	Dimensions	Weight	Battery
KPANVPC-1030	100 L/min	223 × 348 × 250 mm	7.1 Kg	Built-in lithium battery
KPANVPC-550	50 L/min	220 × 285 × 260 mm	9.0 Kg	Optional Li-Ion, removable & rechargeable
KPANVPC-330	28.3 L/min	220 × 285 × 260 mm	8.5 Kg	Optional Li-Ion, removable & rechargeable