KANOMAX
The Ultimate Measurements

AIR QUALITY MONITORS
2300 SERIES

Kanomax USA Air Quality Monitors Models 2360 and 2370 are advanced remote particle monitoring instruments designed to measure airborne particles from 0.3 to 25.0 µm at a flow rate of 0.1 CFM (2.83 LPM). These user-friendly units display up to six particle size channels along with key environmental parameters including temperature, relative humidity, and CO_2 (Model 2360), with the addition of TVOC monitoring in Model 2370.

The monitors provide up to 10 hours of continuous operation, extendable to 100 hours with intelligent battery management. Real-time data visualization helps quickly identify contamination sources, while onboard and software-based data management enables CSV exports and compliant reporting for ISO 14644-1, EU GMP Annex 1, and FS 209E. With remote diagnostics and flexible integration into building automation or facility monitoring systems, these instruments offer a powerful and adaptable air quality monitoring solution.



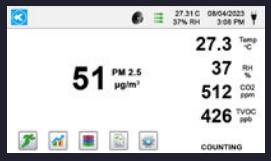


APPLICATIONS

- **Cleanrooms** – Monitoring and certification (ISO 14644, GMP environments)
- **Indoor air quality (IAQ)** – Assessments in commercial and institutional buildings
- **Industrial hygiene** – Workplace exposure monitoring
- **Sensitive products manufacturing** – pharmaceutical, semiconductor, and more

FEATURES AND BENEFITS

- **Simultaneous measurement** of up to six particle size channels
- **Mass concentration approximation** using density and refractive index adjustments
- **User-selectable PM sizes from 0.3 µm to 10 µm**, with total particulate measurement up to 25.0 µm
- **Durable, long-life laser diode** for consistent accuracy
- **Large, color touchscreen** with intuitive icon-based navigation Integrated temperature and relative humidity sensing
- **Storage capacity** for 45,000+ sample records, 1,000 locations, and 50 sampling profiles
- **Annotation capability** for adding notes to recorded samples
- **Multiple communication interfaces:** Ethernet, USB, RS485, RS232, and optional Wi-Fi (802.11 b/g)
- **Remote diagnostics and system access** via internet connectivity
- **Report generation** compliant with major cleanroom standards
- **Audible and visual alarms** for real-time alerts
- **Compliance with ISO 21501-4 and JIS B9921**
- **Seamless integration** into building automation and monitoring systems
- **Stainless steel enclosure** designed for easy cleaning and minimal particle retention
- **10 hours of continuous operation on a single charge** of the built-in rechargeable battery



Example of unit's digital interface

PRODUCT SPECIFICATIONS

Main Specifications		
Model	**2360**	**2370**
Size Range	0.3 to 25 µm	
Size Channels	Factory calibrated at 0.3, 0.5, 1.0, 2.5, 5.0, 10.0 µm variable binning	
Flow Rate	0.1 CFM (2.83 LPM)	
Aerosol Concentration Range	0.01 to 20,000 µg/m³	
Light Source	Long life laser diode	
Resolution	0.00003 µg/m3	
Zero Stability	No appreciable drift	
Count Modes	Real-Time Meter and graph, cumulative/differential count/m³ and count/ft³, and mass concentration (PM)	
Log Interval	1 second to 99 hours	
Calibration	NIST traceable	
Display	4.3" (10.9 cm) WQVGA (480×272) color touch screen	
Printer	(Optional) External thermal printer available	
Vacuum Source	Internal pump with automatic flow control	
Filtered Exhaust	Internal HEPA filter	
Number of Channels	6	
Custom Size Channels	Calibration for custom size channels available	
Audible Alarm	Adjustable built-in alarm	
Communication Modes	Ethernet, USB, Wireless 802.11 b/g (Optional), RS485 or RS232	
Environmental Sensors	Includes NDIR-CO2 sensor (0-5000 ppm ±1%, resolution 1 ppm, response rate 20 seconds), temperature (32-122°F, ±1°F / 0-50°C, ±0.5°C) and relative humidity probe (15–90% RH, ±2%)	Includes all sensors in the 2360 and PID-TVOC sensor (5 ppb - 50 ppm ±1.5%, response rate <3 seconds)
Alarm	Alarms for particle counts (any size channel), sensor failure, environmental sensors, and flow rate	
Standards	ISO 21501-4 and JIS B9921	
Instrument Calibration	Recommended minimum once per year. Gases, temperature and humidity sensors are field calibratable	
External Surface	Stainless steel	
Dimensions	5.22 x 3.81 x 9.42 in (13.3 x 9.7 x 23.9 cm) includes barb fittings	
Weight	4 lb (1.8 kg)	
Included Accessories	User manual + Instrument Management Software (IMS) on USB flash drive, isokinetic probe, temperature relative humidity sensor, purge filter, battery, USB cable, and power supply	
Optional Accessories	Printed manual, carrying case, spare battery, external battery charger, external printer, barbed fittings, and sample tubing	
Data Storage	Securely stores up to 45,000 samples with particle counts, environmental data, locations, and timestamps	
Sample Time	1 second to 99 hours	
Power	110 to 240 VAC 50/60 Hz universal in-line power supply	
Operating Conditions	41-104°F (5-40°C) / 20% to 95% non-condensing	
Storage Conditions	32-122°F (0-50°C) / Up to 98% non-condensing	
Warranty	2 Year Limited Warranty (Extended and Lifetime Warranties available)	

**Specifications are subject to change without notice.*

KANOMAX USA, INC.
219 US HWY 206
ANDOVER, NJ 07821 USA
TEL: 973-786-6386
FAX: 973-786-7586
E-MAIL: SALES@KANOMAX-USA.COM
URL: WWW.KANOMAX-USA.COM

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