



KANOMAX
The Ultimate Measurements

PIEZOBALANCE DUST MONITOR 3520 SERIES

Respirable aerosol mass monitor

Models 3521 and 3522 are unique respirable aerosol monitors, providing direct mass concentration of particulates using 'piezobalance' technology; ideal especially for oil mist monitoring.

Equipped with 4 and 10 μ m impactors while the 3522 is equipped with a 2.5 μ m impactor, piezobalance dust meters like the 3521 and 3522 "weighs" mass concentration of particulates. As an air sample enters the system, it travels through the impactor, which captures and removes larger particulates away from the sample. Smaller particulates become electrically charged and deposited on the piezo-crystal. The total mass of the deposited particulates affects the piezo-crystal's frequency. Since the change in frequency is proportional to the mass of the particulates, the actual weight of the particulates is obtained.



Software Included

Applications

- Oil Mist Monitoring
- Automotive Engineering Area Monitoring
- IAQ Investigations
- Industrial Hygiene
- Occupational Health & Safety
- Product Quality Control
- Laboratory Research



FEATURES AND BENEFITS

- Measures PM 10, Respirable, or PM 2.5 particle matters
- Real-time measurements of dust concentration
- Data logging up to 500 measurements
- Simple cleaning mechanism for easy maintenance
- Complete with data processing software, RS 232C cable, cleaning kit, Ni-MH battery pack, AC adapter, carrying case and calibration certificate

PRODUCT SPECIFICATIONS

Main Unit Specifications	
Model	3521
Measuring Object	Airborne Particle Matter 0.1 to 10 µm
Impactor	10 µm, 4 µm
Measuring Range	0.01 to 5 mg/m ³
Accuracy	+/- 10% of reading +/- 1 digit (0 to 5 mg/m ³) +/- 20% of reading +/- 1 digit (5 to 10 mg/m ³)
Model	3522
Measuring Object	Airborne Particle Matter 0.1 to 2.5 µm
Impactor	2.5 µm
Measuring Range	0.01 to 10 mg/m ³
Accuracy	+/- 10% of reading +/- 1 digit
General Specifications	
Sampling Flow Rate	1 L/min
Datalogging	500 data and time stamped measurements
Interface	RS-232C
Power Supply	Ni-MH battery or AC adapter
Dimensions	H7.0" x D5.9" x W2.7" (180 x 150 x 65mm)
Weight (with batteries)	4.4 lbs. (2 kg)
Warranty	1 year
What's Included	Meter, Operation manual, Software, RS232C cable, AC adapter, NiMH battery pack, Cleaning kit, Impactor(s), Carrying case, Calibration certificate

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