

VDM 7500

Environmental Devices Corporation is an innovative leader in real-time particular monitors and is the first manufacturer to offer a turnkey, affordable, complete, and portable, wireless video dust monitor.

The VDM-7500 measures the levels of lung-damaging particulates while simultaneously video taping the workers job task. The work activity can be visualized and linked to the workers dust levels.

The system is designed to be user-friendly and all operations are window-based and easy-to-use.

Being able to actually see, record, and store video and dust data of a worker's lung-damaging exposure is essential to employee health monitoring practice.

HAZ-MAT responds to heavy industrial pollution air monitor program. The integration of video couple to measure particulate contamination allows a more dynamic assent in identifying and analyzing the air contaminant exposure. This allowing for better control and documentation for improving decision-making.

Applications

- Determining levels of worker respiratory protection for OSHA compliance
 - Compliance program reviews
 - Evaluating work practices and controls of any dust-generating practices
 - Safety audits
 - NIOSH Video exposure monitoring for real-time graphical overlays
 - Welding fume exposures
 - Air quality studies in occupational health and industrial hygiene
 - Haz-Mat air quality investigation and waste site remediation
 - VDM-7500 Monitor is a useful tool for all monitoring applications involving lung-damaging particulates
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Safety and Environmental – IAQ

Specification	
Display	Alpha-numeric LCD-4-line, 20-character, mg/m ³
Operations	4-key, splash-proof membrane switch - menu-driven
Calibration	NIOSH gravimetric reference - NIST traceable - SAI Fine test dust
Accuracy	±10% to filter gravimetric SAE fine test dust
Sensing Range	0.01-200 mg/m ³
Particulate Size Range	0.1-100 microns
Precision	± 0.02 mg/m ³
Sampling Flow Rate	1.0-3.3 liters/minute
Filter Cassette	37mm disposable
Analog Output	0 - 2 VDC
Alarm Output	90db at 3ft
Recording Time	1 sec at 21 weeks
Sampling Time	1 sec, 1 min, and 10mins intervals
Data Storage	21,500 data points
Security Code	4-digit combinations
Memory & Time Storage	>5 years
Real-Time Clock & Data Display	Hours, min, sec, day, month, year
Data Display	Concentrating in mg/m ³ & TWA, MAX, MIN, STEL, date, time
Digital Output	RS-232
Operating Temperature	0 - 50°C
Storing Temperature	-20 - 70°C
Dust Comm Software	Windows Driver
Power	NiMH rechargeable battery
Operating Time	>8 hours
Charging Time	10-12 hours
Humidity	95% non-condensing

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