



HAZ-DUST® Model HD-7204 Personal Direct Reading Aerosol Monitor

The only personal dust monitor to offer

- A flow compensated pump
- True tested & validated size selective sampling inlets
- The ability to use any pre-loaded 37 or 25mm filter cassette

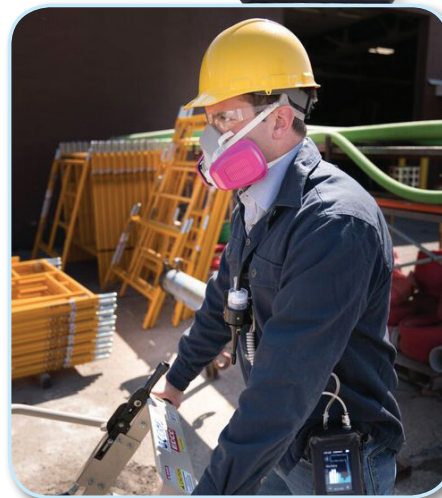
The **ALL NEW HAZ-DUST HD-7204** offers a flow compensated pump for compliance monitoring. The days of requiring two devices and co-locating a FRM filter cassette and real-time reading instrument are over! The HD-7204 offers a flow compensated pump with real-time capability. The sensor, which is mounted in the OSHA defined breathing zone, is sandwiched between the sampling inlet and a FRM filter cassette option.

HD-7204 identifies potential dust problems before they become a health concern.

Airborne particulates can be present in the workplace from a variety of worker tasks such as grinding, cutting, and welding. These lung damaging particulates can be detrimental to a worker's respiratory health and be a liability to employers.

HD-7204 is a valuable tool that allows Industrial Hygienists and safety professionals to immediately identify problem areas and job tasks with the highest risk. Professionals can then implement control measures to reduce worker exposure levels and measure the effectiveness of these controls.

The advantage of this instrument is that it can reduce the number of filter samples that need to be analyzed and the cost of data collection. In addition, the **HD-7204** also has a flow compensated pump for compliance monitoring and accessories to collect specific size-fractions of dust so you can get real-time results and filter samples with one instrument.



Three Interchangeable Size Selective Sampling Inlets

To match OSHA defined size selective regions of the lungs.



Inhalable



Thoracic



Respirable

What's New

- ▶ A flow compensated pump
- ▶ The only dust monitor that allows true size selective breathing zone measurements and comprehensive graph reporting
- ▶ Can accept any 37mm or 25mm pre-weighed and preloaded filter cassette
- ▶ Radio Modem and cellular connectivity
- ▶ Real-time rolling graph
- ▶ Large color touch screen
- ▶ Ability to create on screen libraries of aerosol profiles and the ability to name data sets.
- ▶ ISO 7708/CEN Inhalable and respirable sampling inlets
- ▶ Miniaturized sensor in the breathing OSHA defined breathing zone.
- ▶ OSHA TWA and cumulative average along with STEL and ceiling alarms.

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Specifications

DISPLAY	Touch color display
OPERATIONS.....	Menu driven- Ability to name unique aerosol profiles and data sets
CALIBRATION	Gravimetric reference NIST traceable - SAE fine test dust-ISO12103-1
ACCURACY	+/- 10% to filter gravimetric SAE fine test dust
SENSING RANGE.....	0.001-500 mg/m3 or 1-500,000 ug/m3
PARTICULATE SIZE RANGE.....	0.1 to 100µm
PRECISION	+/- 0.02 mg/m3
REAL-TIME CLOCK AND DATA DISPLAY . . .	Hours, min., sec., MM/DD/YYYY, YY/MM/DD, DD/MM/YY
DATA DISPLAY	Concentration in mg/m3, ug/m3, OSHA TWA, AVE., MAX., MIN., STEL., ceiling levels, date, time, aerosol profiles, data sets, alarm levels, log rate, flow, real-time rolling graph
SAMPLING FLOW RATE	The pump is capable to maintain flow within ±5% as follows: 1.0 Lpm up to 70 Inch H2O; 2.5 Lpm up to 55 Inch H2O, and 5.0 Lpm up to 20 inch H2O.
SAMPLING RATE.....	1 sec., 4 sec., 10 sec., and 60 sec.
FILTER CASSETTE.....	37mm/ or 25mm preloaded and weighted filter cassette
ALARM OUTPUT	90db at 3ft
RECORDING TIME.....	1 second to 15 days
DATA STORAGE.....	43,200 data points
MEMORY & TIME STORAGE	>5 years
DIGITAL OUTPUT.....	Micro USB
OPERATING TEMPERATURE	0 to 50°C
STORAGE TEMPERATURE.....	-20 to 70°C
DUSTCOMM PRO SOFTWARE.....	Window™ driven
POWER	Lithium Ion
OPERATING TIME	22+ hours
CHARGE TIME.....	3 hours
HUMIDITY.....	95% non-condensing
DIMENSIONS (CASE)	3.5" x 2.25" x 4.75"
SENSOR DIMENSIONS	1.75" x 1.5"
WEIGHT.....	1.12 lbs.

Optional Wireless Connectivity available. Contact EDC for specifications.



Easily Deployable. Flexible. Intuitive.

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