

## When Your Employees' Health is on the Line, Make Sure HAZ-DUST is on the Job!

**HAZ-DUST** is a Real Time Dust Monitor Designed for Industrial Hygiene, Indoor Air Quality and Haz-Mat air monitoring Investigations



For all types of dust & aerosols

- Lead
- Silica
- Welding Fumes
- Coal
- Wood/Paper
- Concrete/Cement
- Chromate
- Nuisance Dust
- Pharmaceutical Dust
- Dry Chemicals
- Heavy Metals/PCB's
- Paint Spray
- Grain
- Construction Dusts
- Toxic Soil Remediation

**HAZ-DUST** uses the latest in infrared technology which provides accurate an instantaneous data on airborne particle concentrations, in accordance with the NIOSH method 0600.

**HAZ-DUST** saves money by eliminating repetitious and costly gravimetric air sampling and the associated time delays involved with laboratory analysis.

With **HAZ-DUST** your results are determined easily and immediately.

By continuously monitoring lung-damaging particles **HAZ-DUST** protects the health of industrial personnel and reduces any potential liabilities, in addition to reducing the cost of you air monitoring program.

When coupled with the DL-103 data logger, maximum automation is achieved for data collection, statistical analysis, graphs and detailed report generation. Completely Windows compatible and easy to use.

If your company is concerned with air quality and its effects on workers & the community, the **HAZ-DUST** will help you comply with federal regulations for respiratory safety.

### **APPLICATIONS:**

Determining level of respiratory protection

Survey of workplace for OSHA/EPA compliance

Qualifying off site particulate migration

Surveying for PM-10 and TSP levels

Monitoring dust generation during drilling/excavation operations

Evaluating dust suppression and engineering controls

Locating and identifying "Hot Spots"

Emergency Response & SARA Title III fugitive emissions compliance

Evaluating worker's exposure to airborne contaminants

Dust collector/ventilation system checks

Monitoring lung damaging particles in factories & buildings

Can be used in all OSHA & EPA personal and ambient particulate air sampling applications

...setting new standards  
in respiratory monitoring



## FEATURES

### Easy operation

Turn the instrument on and your results are immediately calculated.

### High Sensitivity

Sensitive enough to monitor all OSHA/NIOSH reference methods. Sensitivity down to 0.01mg/m<sup>3</sup>.

### Low Battery Indicator

Alerts the user when the battery needs recharging, so the unit is ready when you are.

### Data Logging

DL-103 Data Logger and software provides management ready statistical reports. Allows for a complete time vs. concentration profile, which is impossible to obtain with filter/gravimetric techniques.

### Rugged Construction

Lightweight case is able to withstand harsh environments and rough handling. A unique design provides protection against RFI/EMI waves (emitted from radios, transmitters, etc.), which affects the precision of many measuring devices.



## ORDERING INFORMATION

Purchase orders can be placed with:  
**Environmental Devices Corporation**  
Fieldstone Industrial Park  
4 Wilder Drive Bldg. 15  
Plaistow, NH 03865  
(603) 378-2112  
Fax: (603) 378-2113  
Email: [Sales@hazdust.com](mailto:Sales@hazdust.com)  
[www.hazdust.com](http://www.hazdust.com)

## SPECIFICATION

### HD-1100 HAZ-DUST

10µm Particulate Monitor **HAZ-DUST** with concentration range 0.01-200mg/m<sup>3</sup>.

**Display:** LCD 3.5 digits mg/m<sup>3</sup> concentration reading

**Calibration:** NIOSH 0600 using ARD test dust

**Sensing range:** 0.01-200mg/m<sup>3</sup>

**Particle size range:** 0.01-50µm

**Precision:** +/- 0.02mg/m<sup>3</sup>

**Accuracy:** +/-10% to NIOSH #0600

**Power:** 6VDC NiMH rechargeable battery

**Operating time:** >8 hours

**Charging time:** 10-12 hours

**Signal output:** 0-2 volt

**Humidity:** 95% non-condensing

**Dimensions:** 9"x3"x1.5"

**Weight:** 2lbs

### DL-103 Data Logger

Single channel, 3 keys programmable operation. Real-time clock display with on screen calculation of statistics.

**Recording Time:** 1 min to 12 hours

**Sampling Rate:** 1 or 2 sec/sample

**Display:** 4/20 alphanumeric LCD on screen display, TWA, STEL, MAX/MIN concentration, start/stop time

**Memory:** 21,500 data points

**Output:** RS-232, 9600 baud

**Battery:** 7.2v NiMH

**Operating Time:** 12 hours

**Dimensions:** 5.5x3.5x2.0 in

**Weight:** 1lb.

## ACCESSORIES

TP-111 Tripod Stand

CS-111 Calibration Standard

ZA-111 Zeroing Accessory

KK-101 Cleaning Kit

DustComm Pro 1.2: Software