

Environmental Devices



Haz-Dust IV

Quick Start Guide

This *Quick Start Guide* describes the basic steps to follow for sampling particulates using the Haz-Dust IV. For complete details on using the Haz-Dust IV and all its features, see your *HD-1004 Multimedia CD-Rom with Instruction Manual*.

1 Battery Status - Ensure Battery is Fully Charged

- Power monitor by pressing I/O button.
- Press Enter
- Battery Status is located under Special Functions \ System Options \ Extended Options \ Battery Status.
- Battery status reads > 6.20 volts when fully charged

2 Select The Particle Size

- Select **Special Functions**.
- Select **System Options**.
- Select **Extended Options**.
- Select **Size Select**
- Select **Select**, for Respirable "R", Thoracic "T", Inhalable "I"
- Connect the appropriate sampling inlet to the sensor head, see figure 1 & 2.
- If collecting concurrent filter samples, place a filter in the filter cassette.
- Attach the filter cassette to the sensor head.
- Attach the air intake tubing to the filter cassette.

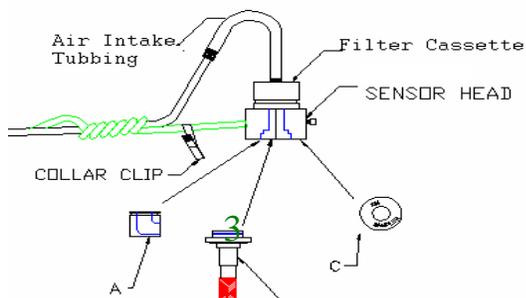


Figure 1

Diagram Detail

- A. Thoracic sampling inlet.
- B. SKC Respirable GS cyclone inlet and GSA-204 Adapter
- C. SKC IOM sampling adapter inlet and IA-204 Adapter

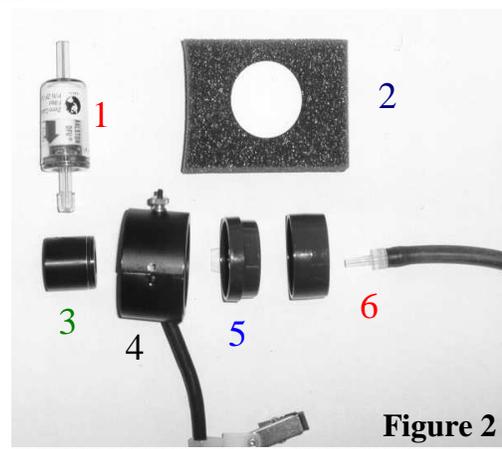


Figure 2

- 1. Zero Filter; 2. 37 mm filter paper;
- 3. Sampling inlet; 4. Haz-Dust Sensor;
- 5. 2-piece cassette; 6. Air intake tube.

3 Perform Auto-Zero

- Attach appropriate Zeroing Filter to the Sample Head Inlet.
- Select **Auto-Zero**.
- Select **Auto-Zero** a second time and wait 50 seconds for the auto-zero procedure to finish.

4 Sample

- Select **Run**
- Select **Sample/Rec.**
- Select the *Memory Storage Type (if memory is stored)*.
Select **Overwrite, Yes** to erase memory.

Select **Continuation** to *add to* data points already in memory.
- To Sample *with* the Alarm Feature.
Select **Sample/Rec-ALM.**
- To Sample *without* the Alarm Feature.
Select **Sample/Rec.**
- Attach monitor using belt clip and attach the *Sensor lapel bracket* in the breathing zone.
- The HAZ-DUST IV is ready to Sample Particulates in the desired area.



5 Review Stored Data

- Select **Review Data**, then **Statistics** to view stored data on LCD of monitor.
- Use the Up and Down arrow keys to scroll through the statistics screens.
- Consult your *HD-1004 Multimedia CD-Rom with Instruction Manual* for detailed operation and on downloading data to a PC using DustComm Pro Software.

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