

FRUSTRATED BY SLOW GRAVIMETRIC TESTING RESULTS?

INTRINSIC
SAFE



CUT DUST EXPOSURE ANALYSIS AND REMEDATION EXPLORATION FROM WEEKS TO MINUTES

Nanozen's DustCount®, the industries smallest and lightest optical particle counter, offers accurate real-time personal dust monitoring which helps shave days and weeks off your current assessment and remediation efforts.

To learn more visit

www.nanozen.com/speedmatters

- PM 2.5, PM 4, PM 10 & Inhalable
- Easy input of custom silica percentage
- No cyclone required
- Built-in sampling filter
- Selectable dust types
- Integrated wireless control/data

DUSTCOUNT[®] 9000-Z1 SPECIFICATION SHEET

OVERVIEW

The **DustCount 9000** provides the features required to support real-time personal aerosol monitoring in a single, lightweight, wearable, easy to use package.

The DustCount enables Hygienists to use its real-time mass concentration, particle concentration, and size distribution data to determine whether a worker is being exposed to dangerous levels of particulate. With the built-in filter cassette, Hygienists can correlate the real-time data using standard method gravimetric analysis and/or composition analysis without the need for an external pump and filter.

Hygienists have used the DustCount real-time data, and filter analysis results, to enhance discussions on aerosol exposure issues with senior management, to graphically demonstrate dangerous areas to workers, to verify if mitigation systems or processes are working effectively, and to lowering costs by focusing on problem areas identified by real-time accurate air measurements



FEATURES AND BENEFITS

- » NEW! Monitor for PM 2.5, Respirable, and PM 10.0 particulate concentrations within a single unit.
- » NEW! Alarms for STEL, TWA, and Ceiling.
- » NEW! Configurable Start/End of Shift.
- » NEW! Enhanced Audible and Visual Alarms.
- » NEW! Intrinsically Safe.
- » NEW! Longer run time battery.
- » Optical Particle Counter technology provides real-time mass, particle concentration, and particle size distribution data.
- » Built-in cassette houses 25mm filter for standard method gravimetric, or composition analysis.
- » Wireless interface for management and control from PC or Smartphone makes it easy to use.
- » Real-time graphing with DustCount software.

TECHNICAL SPECIFICATIONS

DIMENSIONS

Size (H x W x D): 13 x 9 x 4 cm (5.5 x 3.5 x 1.8 in)

Weight: 0.5 Kg (1.0 lb)

OPERATING PARAMETERS

Temperature: 0 to 32° C (32 to 89° F)

Humidity: < 80% up to 32° C, non-condensing

Altitude: Flow rate adjusts automatically for -2000m to +10,000m altitude. Flow rate is user adjustable for altitudes below -2000m to a max of -2500m. For altitudes below -2500m contact Nanozen for guidance.

Maximum Operational Pressure: 1.26 to 0.26 atmospheres.

FLOW RATE

Factory set to 1.0 L/min with +/- 5% accuracy.

DEVICE INTERFACES

Display: Liquid Crystal Display, monochrome, multi-page, 16-character, 3-line.

Communications Interfaces: USB (USB-Type A connector), Bluetooth 4.2