

PRODUCT OVERVIEW

DUSTCOUNT® 9000-Z1

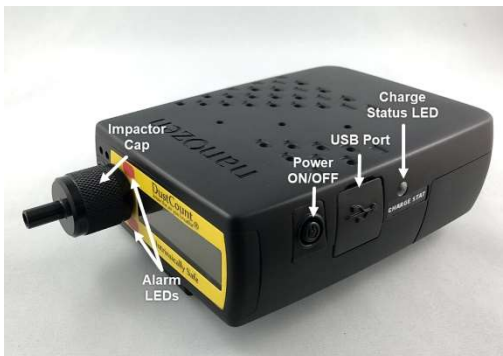
OVERVIEW

The DustCount 9000-Z1 combines the advantages of real-time dust monitoring with a built-in cassette and wireless control and data management all within a single compact, lightweight unit.

- ❖ Small form factor fits in vest pocket or clips to belt.
- ❖ 12-hour battery life with 7-hour recharge.
- ❖ Direct reading display of particle count, mass concentration, alarms
- ❖ Real-time measurement for PM 2.5, Respirable PM 4, and PM 10 particulate concentrations
- ❖ Configurable Audible/Visual alarming for PEL, STEL and TWA
- ❖ Intrinsically safe for IEC and ATEX
- ❖ Non-volatile memory stores 6 months of data.
- ❖ Real-time graphing of dust data using DustCount PC software.



FEATURES AND BENEFITS



- ❖ Optical Particle Counter (OPC) technology gives real-time particle count and particle size distribution data.
- ❖ USB or Bluetooth interfaces allows management control and data download from a PC.
- ❖ 1 L/min self-adjusting air flow rate, no user action required.
- ❖ Configurable Shift mode with automated download options to PC.
- ❖ Maintenance alerts for Filter and Impactor congestion
- ❖ Impactors in unit means a cyclone is not required.
- ❖ Secure Bluetooth Authentication mode.

DUSTCOUNT SAMPLE FILTER



- ❖ Built-in cassette with a removable standard PTFE or PVC 25 mm filter.
- ❖ Cassettes can be pre-loaded, pre-weighed and analysed by accredited labs.
- ❖ Filters can be selected for gravimetric analysis, or composition analysis.
- ❖ Filters can be analysed using portable FTIR for Silica Content
- ❖ User can enter gravimetric coefficient information from filter analysis.
- ❖ Dust can be analysed, and selectable dust types can be imbedded in the unit.

DUSTCOUNT USER INTERFACE (UI) SOFTWARE

The DustCount software runs on a PC running Windows and is used to configure the unit, control data acquisition, and to capture and display data in ASCII, Excel, or graphical formats. The DustCount connects to the PC via either USB or Bluetooth.

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- ❖ Allows the user to connect to and control up to 128 DustCount units.
- ❖ Configure the DustCount date, time, mode of operation, sample frequency.
- ❖ Set the alarm thresholds for PEL, STEL, and TWA
- ❖ Set the start and stop times for sampling with shift management mode.
- ❖ Enter a gravimetric or dust related co-efficient for increased accuracy.
- ❖ Has a Dashboard to monitor operational status, sample values, and alarm status.
- ❖ Download and save data to either .csv or native Excel format one sample per line.
- ❖ Generate and save graphs for mass concentration and particle size distribution data in .png format.
- ❖ Download and graph mass concentration and particle size distribution data in real-time.
- ❖ Observe PEL, STEL, and TWA in real-time graphs.

DUSTCOUNT KIT CONTENTS



- ❖ Waterproof impact resistant plastic case
- ❖ Laminated Quick start Guide in the lid.
- ❖ Calibration Certificate
- ❖ DustCount Unit with cap.
- ❖ Installed cassette assembly including support pad and sample filter.
- ❖ Impactor assembly of the customer's choice (PM 2.5, PM 4 or PM 10)
- ❖ USB stick containing documentation, UI software and How-To videos.
- ❖ Anti-static breathing tube with lapel clip.
- ❖ USB Cable
- ❖ Charger
- ❖ HEPA Filter
- ❖ Impactor Oil
- ❖ Screwdriver.

Note: All Nanozen documentation is provided in English language only.

For additional information please contact us at