

# DUSTCOUNT® 9000-Z1 PRODUCT OVERVIEW

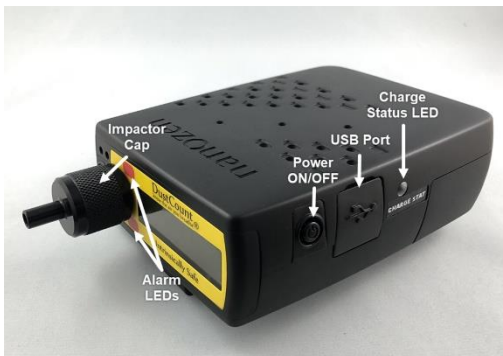
## OVERVIEW

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 3-hour recharge.
- Direct reading display of particle count, mass concentration, alarms
- Real-time PM 2.5, Respirable PM 4, and PM 10 particulate concentrations
- Configurable Audible/Visual alarming for PEL, STEL and TWA
- Intrinsically safe, IEC and ATEX
- Non-volatile memory stores 6 months of data.
- Real-time graphing of dust data using DustCount software.

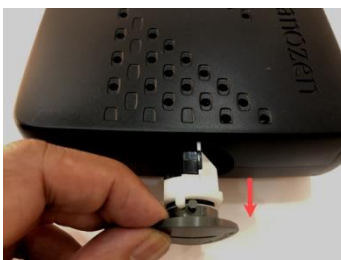


## FEATURES AND BENEFITS



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

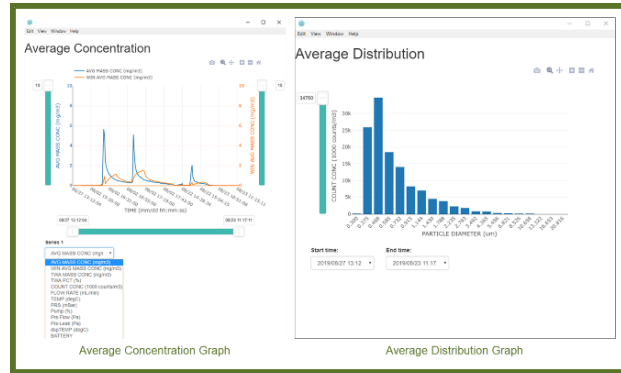
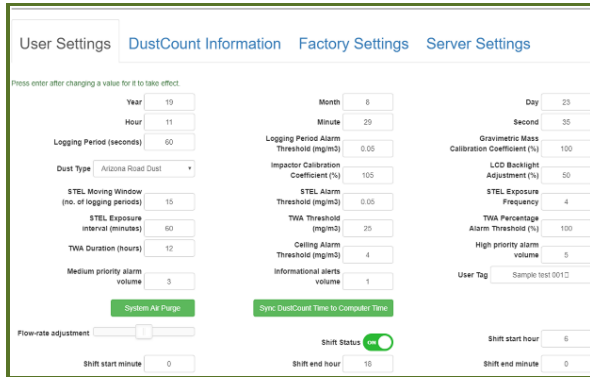
## DUSTCOUNT SAMPLE FILTER



- 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 or MAC OSX 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 or MAC via either USB or Bluetooth.



- 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.
- 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
- Calibration Certificate
- DustCount Unit
- Installed cassette assembly containing a 25mm protective filter and 25mm fiber filter support pad.
- 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



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