

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/data management all within a compact, lightweight unit, for use in mining, pharma, construction, etc...

- Real-time personal dust sampling for silica, coal, metal or wood dust.
- Compact size, light weight and no cyclone encourages workers to wear it.
- Optical Particle Counting laser technology rarely requires re-calibration.
- Unit can be customized for special pure dust types such as Coal and Pharma.
- Automated operation reduces the effort for the Hygienist & safety staff.
- Full range of detection & alarms allows one instrument to handle the job.
- Rugged design and certified Intrinsic-Safe allows it to be used in harsh areas.
- Familiar built-in standard 25 mm filter in cassette for touchless post analysis.
- Wireless control and data management for field work and HSE 4.0
- Included PC/MAC software to control the device and analyse/graph data.
- App for Android smartphone or tablet allows in-field analysis and control



FEATURES



- Weighs 1 lb (.5kg), 4 x 5 inches clips on belt or in vest pocket.
- Minimum 12-hour battery life, special shift monitoring mode.
- On-board memory for 6+ months worth of data.
- USB cable or Bluetooth wireless interfaces to PC/MAC or field device.
- Self-adjusting air flow rate, no user action required.
- PM 2.5 environmental, PM 4 respirable, and PM 10 inhalable impactors
- Settable detection and alarms for PEL, STEL, and TWA monitoring.
- Maintenance alerts for battery, pump, filter, impactor, ...
- Audible and visual alarms for worker exposure mitigation.
- Data output in CSV files for NA and European formats, or Excel format.

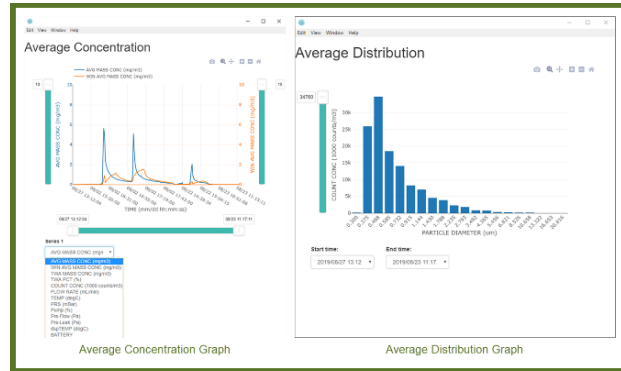
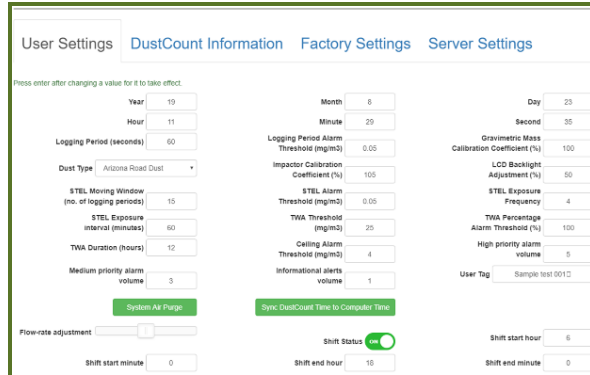
DUSTCOUNT SAMPLE FILTER



- 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 desktop software runs on a personal computer 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.



- 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 backing 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.