ALL
PREPARATION
EQUIPMENT

NEW

Dustlight

PERSONAL DUST AND FUME MONITOR
Product Code: **R23003.3**

Discover the ultimate portable dust monitor engineered
for real-time air quality measurement.

MADE IN
GERMANY

Dustlight

Your Portable Solution for Dust and Fume Monitoring

The Dustlight is not just a device; it's a crucial tool to help protect the health and safety of workers in dust-prone environments. By providing continuous, real-time monitoring of dust levels, the Dustlight helps ensure compliance with occupational health standards and fosters a proactive approach to workplace safety. Its compact size, ease of use, and reliable performance make it the ideal solution for anyone needing to manage dust exposure effectively.

PRODUCT FEATURES

Real-Time Dust Monitoring

Accurately measures dust particles, providing instant feedback on air quality to help prevent respiratory illnesses caused by prolonged dust exposure. With the Dustlight app you can download a CSV file immediately, showing the dust levels over your selected time period.

Three-Colour Traffic Light Indicator

A clear, intuitive display that changes from green to yellow to red based on dust and fume concentration levels, alerting users to the need for protective measures.

Shows current dust or fume concentrations and averages over time, allowing users to monitor air quality trends throughout the workday.

Bluetooth Connectivity

Syncs with the Dustlight app for easy access to historical data, detailed analysis, and personalised settings adjustments.

Modular Mounting System

Easily attaches to belts, straps, and clothing patches, ensuring the Dustlight is always within reach and ready to use.

Long Battery Life

The rechargeable lithium-ion battery offers up to 40 hours of monitoring in eco mode, making it ideal for long shifts and extended use in the field.

Robust Design

Shock-resistant and built to withstand harsh conditions, the Dustlight is perfect for use in demanding industrial environments.

GREEN
Air quality is safe.

YELLOW
Caution is advised; dust levels are approaching unsafe limits.

RED
Dangerous dust concentrations; immediate action is needed.

A simple traffic light system to warn you instantly.

APPLICATION-SPECIFIC CONFIGURATIONS

As the exact composition of dust and fume density is often unknown in numerous areas of application, an intelligent algorithm based on sum parameters is used. This enables Dustlight to precisely calculate the mass concentration even without knowing the exact composition of the dust.

While the intelligent Dustlight algorithm is more than sufficient for most applications, this approach will naturally always have a small discrepancy with gravimetric measurements. For this reason, we offer application or substance-specific adaptations of the algorithm for areas of application in which only certain mixtures of substances occur.

Here are examples of application-specific configurations:

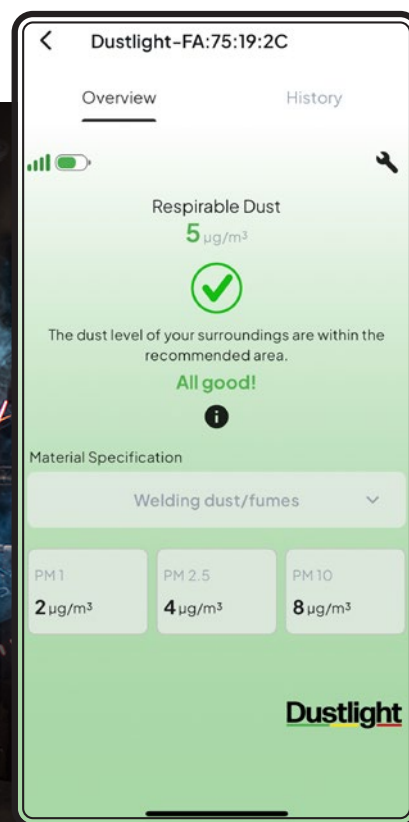1. **Hazardous dust detection**
   The standard configuration for Dustlight measures respirable dust to levels PM1, PM2.5 and PM10.

2. **Welding fume detection**
   This application-specific configuration is adapted to environments where welding fumes and metal dust are mainly present. The algorithm was created with various welding processes (e.g. TIG, electrode welding) and a wide variety of materials and metal dust to be welded.

3. **Woodworking dust detection**
   This application-specific configuration is adapted to environments where mainly wood dust from hardwood and softwood is present.

Get realtime data and personalise your needs with the Dustlight app.

THE APP PROVIDES THE FOLLOWING FEATURES:

Customise limit values and warning thresholds

Average and maximum values at a glance

Adjust device settings for brightness and volume

Graphs for visual overview of values

Thresholds
- Adjust the warning thresholds and limits to meet the legal requirements of your industry / application
- Personalise the warning thresholds and limits.
- Adjust the warning sounds and displays on the device.

Operating Modes
Need to measure every second or the longest possible battery life? By selecting predefined operating modes, you can tailor your Dustlight exactly to your needs. This includes not only the measurement interval but also the brightness of the display and warning lights.

Data Analysis
With the Dustlight app, you can use the measurements from the device's internal memory and use the data logger function. Access real-time data with graphs and downloadable CSV files for your own research and tracking. Connect multiple devices to monitor your site.

Service and Maintenance
- Updates for your Dustlight.
- Intelligent maintenance calculation based on the actual dust exposure.
- Tips for maintenance and cleaning.

Dustlight
Bluetooth® Technology

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