

FAQ

Dustlight

Personal Dust Monitor

Product Code: **R23003.3**



Dustlight - Personal Dust Monitor

What is the Dustlight, and who is it designed for?

The Dustlight is an innovative, mobile dust monitor specifically developed for trade, industry, and workplaces where large quantities of dust are generated. It is designed to reduce health risks associated with dust exposure and protect employees from airborne particles.

How does the Dustlight help reduce dust exposure risks?

The Dustlight provides real-time monitoring of respirable dust concentrations using a three-colour traffic light indicator (green, yellow, red) and a high-resolution display. It alerts employees when dust levels reach critical points, prompting the use of protective measures like masks or extraction systems.

How should the Dustlight be worn?

Every employee in dust-prone areas should wear a Dustlight on their body using the enclosed clip or additional accessories. This ensures constant monitoring and immediate alerts in dusty environments.

How easy is the Dustlight to operate?

The Dustlight is designed to be user-friendly, with a single-button operation and an intuitive, language-neutral display that shows dust concentration levels clearly.

What does each colour on the Dustlight indicator mean?

The Dustlight uses a traffic light system to indicate air quality:

- **Green:** Air quality is safe.
- **Yellow:** Caution is advised; dust levels are approaching unsafe limits.
- **Red:** Dangerous dust concentrations; immediate action is needed.

Can the Dustlight replace personal protective equipment (PPE)?

No, the Dustlight is not a replacement for PPE like masks or dust extractors. It is a tool to monitor air quality and support risk assessments, ensuring appropriate use of PPE when necessary.

How long does the Dustlight battery last, and how is it charged?

The Dustlight features a rechargeable battery that lasts up to 9 hours in continuous mode and up to 40 hours in eco mode. It can be fully charged in about 3 hours using the included magnetic USB cable.

Can the Dustlight be used for formal regulatory compliance measurements?

The Dustlight is intended for indicative measurements and can help determine when further gravimetre testing is unnecessary, potentially saving time and costs. However, it should not be solely relied upon for compliance with occupational exposure limits.

What dust limits does the Dustlight use, and can they be adjusted?

The Dustlight adheres to the "Technical Rules for Hazardous Substances" (TRGS 900) workplace limit values in Germany, with a general dust limit value of 1250 $\mu\text{g}/\text{m}^3$ for respirable dust. These limits can be adjusted via the Dustlight app to fit specific workplace requirements.

Is the Dustlight suitable for all types of work environments?

Yes, the Dustlight is robust, shock-resistant, and designed for harsh working conditions, making it ideal for use in various industrial and trade environments where dust exposure is a concern.

