

Dustlight



DUSTLIGHT FAQs

Invisible particulate detector, exclusive to CMT.

How long until the filters clog?

How do you clean or change the filters? How often do you need to do this?

We have tested Dustlight intensively for more than 12 months. It was exposed to demanding environments such as road construction, tunnel construction and underground work. In addition, our devices were subjected to 12 months of non-stop long-term testing in a consistently dusty environment in a dust chamber and also in the test laboratories of one of the leading institutes for research into hazardous substances.

The Dustlight is designed so that the pre-filter does not become clogged. The sensor itself is protected by its own “clean” airflow to measure accurately and without interference for a long time. Nevertheless, it depends heavily on the environment. When dealing with aerosols, for example, i.e. when persistent moisture comes into play, the filter may become glued. In this case, the small grid can be easily removed and cleaned. In the rare event that the small grid is damaged or lost during cleaning, we can supply a replacement.

Do you need to recalibrate and if so how is this done and guaranteed?

No, you do not need to calibrate the Dustlight. Calibrating dust is extremely complicated and cannot be carried out independently. In the long-term tests mentioned above, we were able to ensure that the measurement results did not show any significant drift even after long use and a large number of measurement cycles.

Nevertheless, as this is a measuring device, it is necessary to service the device annually and send it in for inspection. This process can be carried out by CMT directly in the UK.

Key Projects

- Road and tunnel construction with Strabag
- Joint testing and marketing with Hilti
- Fleet solution in progress with Zeppelin Rental
- Development of the dust algorithm with the IGF (Institute for Hazardous Substances Research)
- Development and support from BG Bau (professional association in Germany with 3 million members)
- Verification of compliance with limit values for handling silica
- Protection against welding fumes in two well-known casthouses and a large shipyard

Can Dustlight be linked to live dashboards?

Each user can view the stats for their Dustlight through the Dustlight app. Any Dustlight can be connected to the app and for the stats to be downloaded.

Durability Testing?

Dustlight has been extensively tested under difficult conditions and has proven itself here. The associated app can also be used to select various modes that affect the battery life.

Battery life with second-by-second measuring with LED + display always on:
6-7 hours

Battery life for a per-minute measuring with LED dimmed and display off:
up to 40 hours

Can you change the units of measure to suit what contractors might be working to?

Limit values can be individually adjusted and different measured variables can be queried from within the Dustlight app.

The limit values of the selected country are preset in each case.

If there are limits or units you would like to see within the app, we're always happy to receive feedback for further development.

How far does the device reach in measuring?

All details of device measurements can be found in the Dustlight data sheet. If you have any further questions, please do not hesitate to contact us.

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