

Gilian® Dustlight

Real-Time Personal Dust Monitor

Know your
Dust Danger.
Clearly, in
Real-Time.



Engineered for real-time monitoring of dust concentrations

in commercial and industrial settings, such as construction sites and workshops. Laser photometry measures the fraction of inhalable dust PM10, respirable dust PM4, as well as PM1 and PM2.5, providing particulate matter concentrations.

Complements gravimetric sampling for OSHA compliance:

Provides immediate feedback on air quality using a simple traffic light system, audible warnings, and digital display, allowing remediation before standard gravimetric sampling and lab analysis – **saving time and lab costs!**



Single
button
control &
navigation

Technical Specifications	
Dimensions	Width x Height x Depth: 2.7 x 2.7 x 1.3 inches 69 x 69 x 32.5 mm (without clip)
Weight	5.25oz / 149g - <i>The lightest Dust Monitor on the market!</i>
Housing material	Housing in ABS with protective layer in TPU
Battery supply	Lithium-ion battery, 1700 mAh, runtime depends on operating mode and usage: Continuous - up to 7 hours; Standard - up to 20 hours; Eco - up to 40 hours
Power supply	Via enclosed USB cable with dust-protected magnetic coupling
Fastening	Modular Klick-Fast fastening system on the back of the device for attachment to belt clip, Velcro fastener/ patches on clothing, carrying strap, etc.
Storage temperature	- 4° to 104°F / - 20° to 40°C
Operating temperature range	14° to 122°F / - 10° to 50°C
Operating humidity range	0 - 80 % RH
Alerting	LED display with good visibility, LCD color display, acoustic signal, app notifications
Limit values	General respirable dust limit from TRGS 900 for red warning light (limit at 1250 µg/m³), yellow light at 10% of this limit. Dust limits can be configured via our free Dustlight app.
Measuring method	Laser-based Photometry
Measuring interval	Depending on the selected mode from every 1 second to every 60 seconds. After start, needs 30 seconds to reach the first stable measured value.
Measuring range	Concentration: 0 - 10 000 µg/m³ Particle sizes: 0.3-10 µm
Special calibration	Accuracy report will be given (contact us for more info)
Accuracy for PM1 and PM2.5 *	0-100 µg/m³: ± 5 µg/m³ AND ± 5 % 100-5,000 µg/m³: ± 10 %
Accuracy for respirable dust and the PM10 fraction of inhalable dust *	0-100 µg/m³: ± 25 µg/m³ 100-5,000 µg/m³: ± 25 %
Maintenance	Intelligent maintenance calculation depending on usage time and dust concentration, at least every 12 months
Sustainability	Repair-friendly design, local Authorized Service Centers.
Production	Designed and manufactured in Germany.
Approvals	CE, UKCA, FCC, cTUVus
* The sensor accuracy was determined by an external institute using the "Grimm Model 11-D" measuring device and "Arizona A1" test dust	

Disclaimer Notice: All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications.



Choose the Plan that Meets your Application Needs

Activation of the Mobile App (Free from the App Store) is required to configure the Gilian Dustlight device. Professional and Enterprise plans require a paid subscription, unlocking advanced features. Discounts increase with longer subscription terms.

Feature	Basic (Free)	Professional*	Enterprise*	Description
Dustlight Mobile App Access	✓	✓	✓	Utilized with all Plans
General Dust Profile	✓	✓	✓	Dust mixture consists largely of crystalline dust containing quartz, crystalline silica
Air Quality Index	✓	✓	✓	PM2.5 Air Quality Index (AQI), includes application to Wild Fires
CSV Event File	✓	✓	✓	Respirable Dust, PM1, PM2.5, PM4, PM10 data in 1 min Intervals
Basic Event PDF	✓	✓	✓	Respirable Dust Only
Advanced Event PDF		✓	✓	Respirable Dust, PM1, PM2.5, PM4, PM10, TWA, Action Limit and STEL
Additional Substance Profiles		✓	✓	Aluminum Oxide, Crystalline Silica, Diesel Particulate Matter (DPM), Oil Mist, Welding Dusts/Fumes, Wild Fire, Wood Dust
Data Transfer Connection		✓	✓	Via USB or Docking Station, not limited to wireless connection
Cloud-Based Web Access		✓	✓	Storage, Device Management, Configuration, and STEL/TWA/Exceedance Reporting
Advanced Data Analytics			✓	Trending, Reports, Queries
Fleet Management Tools			✓	Role Management, Hierarchies, Centralized Data Sharing

Gilian Dustlight Part Numbers	Single Kits	6-Pack with Hub	6-Pack with Dock
Instrument, without Bluetooth	810-2300-01-R	910-2316-US-R	910-2317-01-R
Instrument, with Bluetooth	810-2301-01-R	910-2306-US-R	910-2307-01-R
Instrument with Temp/Humidity Sensor, without Bluetooth <i>(coming soon)</i>	810-2310-01-R	910-2336-US-R	910-2337-01-R
Instrument with Temp/Humidity Sensor, with Bluetooth <i>(coming soon)</i>	810-2311-01-R	910-2326-US-R	910-2327-01-R
(available with EU, UK cords)			
Single Kit Includes: Single Device, Magnetic USB Charging Cord, Calibration Certificate			
6-Pack with Hub Kits Include: 6 Devices, Carrying Case, USB Charging Hub, 6 USB Magnetic Charging Cords, 6 Calibration Certificates			
6-Pack with Dock Kits Include: 6 Devices, Carrying Case, Charging Dock, USB Dock Charging Cord, 6 Calibration Certificates			

*Paid Subscription Part Numbers:

811-2302-11	Professional Plan	1 Year
811-2302-13	Professional Plan	3 Years
811-2302-15	Professional Plan	5 Years
811-2302-21	Enterprise Plan	1 Year
811-2302-23	Enterprise Plan	3 Years
811-2302-25	Enterprise Plan	5 Year

Subscriptions are allotted one per device.



6-Pack with Hub
in Carry Case



Carry Case



6-Pack with Dock
(Carry Case included)

