

NEW!

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



Safe Air Quality



Caution Advised



Dangerous Levels

Gilian® Dustlight

Personal Dust Monitor

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.

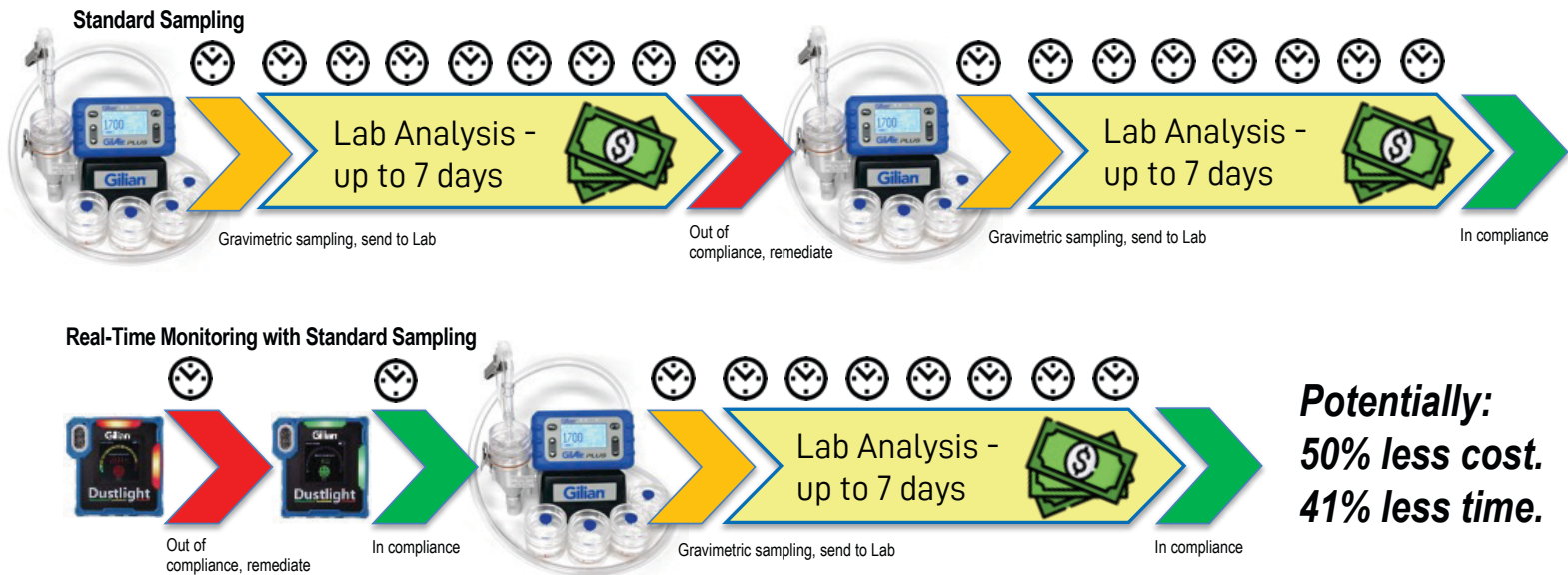
Compliments gravimetric sampling for OSHA compliance: provides immediate feedback on air quality using a simple traffic light system, audible warnings, and digital display, allowing remediation before standard gravimetric sampling and lab analysis – **saving time and lab costs!**



Gilian® Dustlight

Personal Dust Monitor

- > Accelerate your Pathway to OSHA Compliance.
- > Save Time and Costs.



Compliance and Data Confidence

- Complements gravimetric sampling – less time & lab cost
- Meets ISO 7708 and OSHA standards
- Identify high-exposure tasks
- Define and prove effectiveness of work zones

Note: additional sampling cycles may be needed to meet the new OSHA standard. Instant real-time exposure data speeds corrective action.



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Personal Dust Monitor

PRODUCT FEATURES

Real-Time Monitoring

Provides instant feedback on air quality, allowing for immediate awareness of dust levels.

Bright Traffic Light System

Offers an intuitive color-coded warning system (green, yellow, red) for quick assessment of dust concentrations.

Modular Mounting (Klick-Fast system)

Versatile attachment options for clothing, belts, and other accessories for comfortable, secure wear.

Data Logging & Analysis

Records measured dust concentrations for trend analysis and allows for data export via the mobile app.

Rugged Over-Molding

Built to withstand demanding industrial environments.

Intelligent Maintenance

Features a system for calculating maintenance intervals and provides notifications.

Configurable Settings

Allows users to adjust warning thresholds, operating modes, and other parameters via the mobile app.

Wireless Connectivity

Enables seamless connection to the mobile app for data visualization, settings adjustments, and firmware updates.

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, pending)
* 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.



Gilian® Dustlight

Personal Dust Monitor

Choose the Plan that Meets your Application Needs

Activation of the Mobile App (Free from the App Store) is required to configure the 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
CSV Event File	✓	✓	✓	Respirable Dust, PM1, PM2.5, PM4, and PM10 data in 1 minute 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		✓	✓	Welding Fumes, Oil Mist, Softwood
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

Subscriptions are allotted one per device.

DEVICE PART NUMBERS:

810-2301-01-R Gilian Dustlight Starter Kit, Single Device
910-2301-06-R Gilian Dustlight Starter Kit, 6 Pack – Includes hard shell carry case

*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 Years

