Gilian® Dustlight
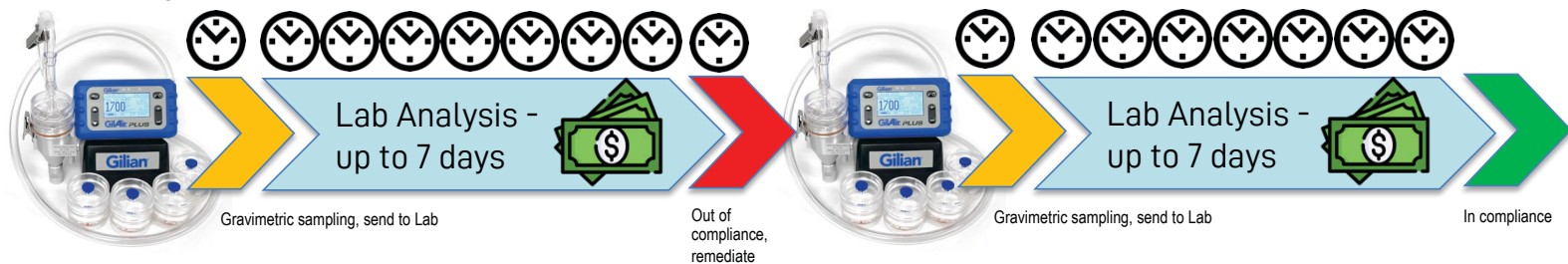
Personal Dust Monitor

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

Standard Sampling

Gravimetric sampling, send to Lab

Lab Analysis - up to 7 days

Out of compliance, remediate

Lab Analysis - up to 7 days

Gravimetric sampling, send to Lab

In compliance

Real-Time Monitoring

Out of compliance, remediate

In compliance

Lab Analysis - up to 7 days

Gravimetric sampling, send to Lab

In compliance

Up to 50% less cost.
Up to 47% less time.
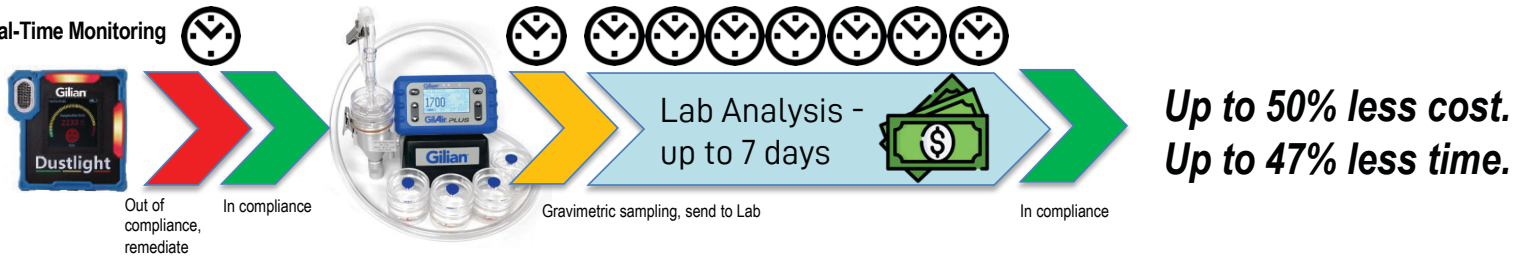
Compliance and Data Confidence

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

Sensidyne.com/Dust

Gilian® Dustlight

Personal Dust Monitor

PRODUCT FEATURES

Real-Time Monitoring
Provides instant feedback on air quality, allowing for immediate awareness of dust levels.

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

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

Modular Mounting (Klick Fast)
Offers versatile attachment options to clothing, belts, and other accessories for convenient and secure wear.

Rugged Design
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.

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

TECHNICAL SPECS

Technical Data	
Product name	Dustlight
Dimensions	Length x width x height: 69 x 69 x 32.5 mm without clip
Weight	149 g
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 Click Fast fastening system on the back of the device for attachment to belt clip, Velcro fastener/patches on clothing, carrying strap, etc.
Storage temperature	- 20 to + 40 °C
Operating temperature range	- 10 to + 50 °C
Operating humidity range	0 - 80 % RH
Alerting	LED display with good visibility, LCD colour 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	Photometric (laser-based)
Measuring interval	Depending on the selected mode from every second to every 60 seconds, after start 30s until 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 (more info see above or contact us)
Accuracy for PM1 and PM2.5 *	0-100 µg/m³: $\pm$ 5 µg/m³ AND $\pm$ 5 % 100-5,000 µg/m³: $\pm$ 10 %
Accuracy for respirable dust and the PM10 fraction of inhalable dust *	0-100 µg/m³: $\pm$ 25 µg/m³ 100-5,000 µg/m³: $\pm$ 25 %
Maintenance	Intelligent maintenance calculation depending on usage time and dust concentration, at least every 12 months
Sustainability	Repair-friendly design: All modules/housing parts can be replaced.
Production	Designed and manufactured in Germany.

*The sensor accuracy was determined by an external institute using the „Grimm Model 11-D" measuring device and „Arizona A1" test dust

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	✓	✓	✓	Unlimited Devices
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 (Unlimited Devices)
Advanced Data Analytics			✓	Trending, Reports, Queries
Fleet Management Tools			✓	Role Management, Hierarchies, Centralized Data Sharing

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