TSI®
Knowledge
Beyond
Measure.

Seeing is Believing. Making the Invisible Visible.

BlueSky™ Air Quality Monitors
Models 8143 and 8145 Connected
with TSI Link™ Solutions

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BlueSky™ Air Quality Monitors provide trusted results to help protect what's important. Designed for community watch groups, local EPA organizations, fugitive dust monitoring, government agencies, and municipalities, TSI® offers over 50 years of industry expertise to help pin-point hyperlocal levels of air pollutants from particulate matter, carbon dioxide, ozone, to nitrogen dioxide and more all in real-time using cloud-based TSI Link™ Solutions to ensure certain health & safety standards are met.

Ideal For:

- Government agencies
- EPA organizations
- Fugitive Dust Monitoring (for spatial information)
- Roadside emissions monitoring
- EPA organizations
- Urban air pollution monitoring
- Community watch groups
- Perimeter monitoring (construction/remediation)

BlueSky™ and TSI®
Over 50 Years of Air Quality Experience

Unlike other small, low-cost air quality monitors on the market, BlueSky™ Air Quality Monitors come factory-calibrated to improve the readings of the devices. BlueSky monitors also come with self-diagnostics to ensure that the data collected is, and remains, reliable.

Based in Minnesota, TSI has been in particle research for over 50 years. Our DustTrak™ Environmental Monitors and now our BlueSky monitors help you measure air quality, identify or alleviate concerns, and report the findings in your area to keep people and communities safer, healthier, and happier.

Track Air Quality Using BlueSky™ Monitors

With the BlueSky™ Air Quality Monitor, choose from two beneficial models, or a combination of the two to fit your environmental monitoring needs:

Model 8143
The 8143 monitor is designed to help you understand and manage the air quality in your area. This model is a lightweight, laser-based particle instrument engineered to measure PM2.5 and PM10 mass concentrations, as well as temperature and relative humidity.

Model 8145
The 8145 monitor is ideal if there is a need to monitor and provide accurate measurements such as PM, RH, BP, Temperature, O_3, CO, CO_2, NO_2, and SO_2 all in real-time.

Pollution can affect air quality across a region or city, but can also be localized to a community, neighborhood, or even a single building. Both BlueSky models provide trusted data accuracy where you can connect, analyze, store, and share actionable information through cloud-based TSI Link™ Solutions.

Power Options
- AC mains
- Solar

Connectivity Options
- Wi-Fi
- Cellular

Air pollutants—such as chemicals, smoke, dust, or allergens—aren't always visible. Tiny airborne particulates (such as PM2.5) are especially dangerous because they can penetrate deep into the lungs and potentially cause acute and/or chronic health effects.

Problem	Issue
Traffic Idling Vehicles	When there is an increase in traffic, especially around intersections, PM, NO_2, and CO levels can increase due to vehicle exhaust, brake pad dust, and other contaminants from the road.
Parking Garage Idling Vehicles	All the vehicles in parking garages (especially during commuting times) can lead to increased levels of particulate matter, NO_2, and CO due to high concentration of exhaust and poor ventilation.
Train – Public Transport	Trains and public transportation can produce NO_2, CO_2, and PM.
Construction Area	Construction sites involve large machinery, both emitting exhaust and kicking up dust and dirt into the air, increasing levels of PM which can cause air quality issues.
Park (Located Near Construction Zone)	Parks draw pedestrians (especially children, who are more susceptible to poor air quality), but sometimes the parks are located in an area with potential air quality problems. In this case, it is next to a construction site, which could be kicking up dust, dirt, and particulate matter into the air and potentially decreasing the quality of the air. Ozone contributes to what we experience as "smog", which can occur throughout the year and cause difficulties breathing with a higher concentration in the air surrounding.
School Building	School areas are often crowded with children during weekday commuting times. Automobiles are idling or waiting in a long line, dropping off or picking up students, and school buses are pulling up constantly and letting students out. This can lead to potential air quality issues in the hours just before school starts and just after school lets out.

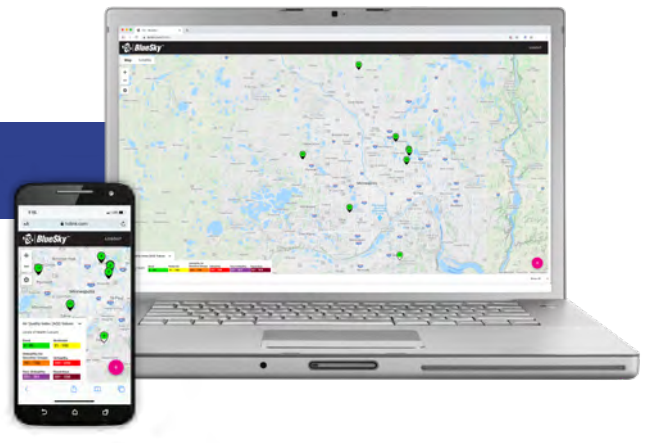
Manage your Data Anywhere with TSI Link™ Solutions

With TSI Link™ Solutions, data from your BlueSky Air Quality Monitor is at your fingertips, guiding you in decision-making to ensure certain health & safety standards are met. By wirelessly connecting your BlueSky Monitor to TSI Link™ Solutions you can retrieve real-time data, be alerted of any changes in the air quality, and control your device from the office, on the jobsite, or at home.

With TSI Link™ Solutions You Can:

- **Customize your solution,** giving you flexibility in addressing specific outdoor air quality issues.
- **View, analyze and receive information** on making important decisions. Download and graph historical data from multiple monitors, all from the easy-to-use dashboard.
- **Set up custom alerts with real-time data,** allowing you to address risks before they become a problem.
- **Easily share data and collaborate** with other stakeholders on optimal air quality monitoring.
- **Remotely manage and adjust** all your devices from the comfort of your office, jobsite, or home, for peace of mind
- **Keep your device data private or share publicly,** whether your goal is to inform decision makers and support budgetary discussions, or give transparency to your communities.
- **Interpret your air quality** with an easy-to-use, world-recognized U.S. Environmental Protection Agency (EPA) Air Quality Index; categorizing your data into ranges that identify if your air quality as good, moderate, unhealthy, etc.
- **TSI Link™ API Data Services** seamless data access, analytics, automated reporting, and integration to third party applications

View the outdoor and indoor air quality in your area using the TSI Link™ Solution. **Create your free account today at tsi.com/tsilink**



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Knowledge Beyond Measure.

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