

BLUESKY™ AIR QUALITY MONITOR

TSI has expanded its environmental offerings with the BlueSky™ Air Quality Monitor (Model 8143). Each lightweight, 6-channel particle counter is designed to simultaneously measure PM1, PM2.5, PM4 and PM10 mass concentrations, as well as temperature and relative humidity all in real-time! As an Internet of Things (IoT) solution, these hyperlocal, cloud-based monitors offer data interfacing using WiFi and comes standard with an SD memory card for duplicate data storage. While specifically designed for outdoor environmental monitoring, BlueSky air quality monitors can also be utilised inside buildings, homes and manufacturing facilities to measure indoor air quality.



Features and Benefits

- + **Precision data** - TSI factory-calibrated PM sensor with the option to program a custom calibration factor
- + **Real-time map of live data** - ability to stream and display real-time data from the cloud using WiFi, without additional software or an app
- + **Unique laser-based light scattering particle sensors** - simultaneously outputs PM1, PM2.5, PM4, PM10, temperature and humidity
- + **Self diagnostics** - notify user of poor sensor performance while maintaining data integrity
- + **Designed for outdoor use** - performs consistently in a wide range of humidity and temperatures, and protected from rain, bugs and direct sunlight
- + **Two ways to download data** - from the cloud (.csv file) and removable SD card
- + **Data buffering** - internally logs data (up to 1 week at 15 min interval via on board memory) for data redundancy
- + **Easy and quick installation**
- + **Low power consumption** - powered using an IP67 rated AC adaptor with a 230V power cord
- + **ROHS compliant with CE Mark**

Applications

- + Fenceline/Perimeter Monitoring
- + Municipalities & Smart Cities
- + Community Monitoring Programs
- + Hot Spot Detection
- + Indicative Comparisons to Federal Reference Air Quality Data



UNDERSTANDING, ACCELERATED



