Air Sensors

Air sensor monitors that are lower in cost, portable and generally easier to operate than regulatory-grade monitors are widely used in the United States to understand air quality conditions. This EPA website (https://www.epa.gov/air-sensor-toolbox) provides the latest science on the performance, operation and use of air sensor monitoring systems for technology developers, air quality managers, citizen scientists and the public. The EPA is involved in the advancement of air sensor technology, including performance evaluations of sensor devices and best practices for effectively using sensors. The information can help the public learn more about air quality in their communities.

Educational Videos on Air Sensors

EPA has developed a series of educational videos designed to give the public information about air quality, health and lower-cost sensors. The videos are available in English and Spanish and can be used to learn how EPA collects and uses air quality data, how air quality health risks are communicated and how to interpret data collected using air sensors.

Many people are looking for credible air quality information to help reduce the risk from air pollution and to protect public health in their communities. Air sensors are usually lower in cost, portable, and generally easier to operate than the regulatory-grade air pollution monitors used in the United States to understand air quality conditions.

With increased availability of air sensors, thousands are now in use by individuals, community groups, health organizations and others. The cost-effectiveness and portability of these sensors make it possible to evaluate air pollution in many locations and in potential pollution hot spots, which is of interest to many communities. The popularity of these devices, however, has resulted in many questions about how to use and communicate the sensor data that is collected during monitoring. The videos offer information to address common questions about these devices.

Watch the Videos and please share with others: https://www.epa.gov/air-sensor-toolbox/videos-air-sensor-measurements-data-quality-and-interpretation