

# Why IAQ in Homes ?

## Key Benefits

- Measure IAQ to find openings in surfaces and reduce exposure to airborne pollutants.
- Measure VOCs to ensure safe storage of paint & cleaning products or to identify gas leaks.
- Take the guess work out of cleaning and laundry by monitoring PM levels in every room of your home.
- Protect & enhance your family's health by controlling triggers for asthma, allergies & respiratory symptoms caused by high particulate & mold growth.
- Improve indoor comfort & create the safest living space for children and adults.
- Make timely informed decisions about corrective action.
- Optimize energy consumption, create direct cost savings on utility bills, increase the value of your home.



$$f(x) = a_0 + \sum_{n=1}^{\infty} \left( a_n \cos \frac{n\pi x}{L} + b_n \sin \frac{n\pi x}{L} \right)$$
$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

A cost effective, next generation solution in a single device to deploy throughout a home for continuous long term indoor air quality monitoring...

## Keep your family safe

Continuous accurate & precise indoor air quality monitoring in any infrastructure with never before seen information and analytics result in safer indoor spaces.

- **Monitor** key indicators of air quality in real time using a single wireless, cloud connected device with 9 sensors (PM<sub>1</sub>, PM<sub>2.5</sub>, PM<sub>10</sub>, CO<sub>2</sub>, CH<sub>2</sub>O, VOCs, Temperature, Humidity, Pressure).
- **Prevent** asthma & respiratory symptoms triggered by PM, humidity, & mold growth, lethargy brought on by spikes in CO<sub>2</sub>, gas leaks of VOCs from appliances, cleaning products & paint supplies, inhalation of PM smaller than 2.5 in size lodging deep in the lungs, with real time IAQ monitoring.
- **Generate valuable data** about each room in your home to substantiate corrective action before contamination with sophisticated alerts via text or email.
- **Ensure** the safest environment & most energy efficient use of systems with access to IAQ data anytime anywhere for homeowners & occupants via a mobile phone or on the web.
- **Determine** if mechanical & air filtration systems are effective, optimize systems, and lower operational costs.
- **Realize** energy & maintenance dividends.
- **Benefit** from a large scale solution enabling rapid deployment of a single device on every floor & room, simplifying everything.

