

Aerys X

Complete air quality intelligence

While urbanization has boosted economic growth and improved the standard of living for many, it is putting increased pressure on air quality and the environment. Traffic congestion, sanitation issues, mass deforestation, and ozone layer depletion are only a few examples. All of this leads to questionable air quality and public health challenges in urban communities.

Aerys X combines both particulate matter (Aerys P) and gaseous pollutant sensors (Aerys G) to measure the widest range of potential air pollutants.

In addition, with weather-related data such as PHT, wind speed and direction, Aerys X provides the most comprehensive picture of air quality in our neighborhoods.

Extensive data collected about air quality is available via Solos platform and helps educate people about the impact on our health and the environment.





Construction

Dimensions: W: 50 cm ; D: 22 cm ; H: 64 cm
Weight: 10 kg; Materials: fiberglass, ABS, hot-dip zinc coated steel (EN10346), galvanized low carbon steel (ISO 2081)



Li-ion battery pack

Low-temperature resistance
Advance BMS



Real-time GPS location

Online alarm if device location changes. Location visible over Solos Smart City platform



Internal server communication system

5-year connectivity with Solos Smart City platform
Online product maintenance and updates



Sensors

PHT sensor - pressure, temperature, humidity
Energy sensor



Gas sensor

Monitoring NO, NO₂ and O₃ gases
Reliable electrochemical sensors



Particulate matter sensor

Monitoring PM1, PM2.5 and PM10
Laser-scattering technology



Wind sensor

Monitoring wind speed and direction



Detailed technical specification can be found in Aerys X datasheet.