

AND IF NOISE COULD POLLUTE?



orbiwise



Real-Time Data

Permanent solution with real-time noise measurements



Cost-effective

Low-cost device & solution. Affordable wireless connectivity



Energy-efficient

Reliable and up to 1 year battery life



Customizable settings

Set noise level limits to trigger alerts and take corrective actions

SAMPOLS A Revolutionary Way to Measure NOISE

Noise is increasingly a major source of environmental nuisance and a hazard to human health and welfare. The directive 2002/49/EC published by the European Commission aims to provide a common basis for tackling noise problems across the EU. Strategic noise maps are required for route traffic, airports and industries. Why?



The destructive power of noise

Most people and animals are disturbed by noise. It has a direct impact on a number of health issues such as sleep disturbance, increased heart disease and stress levels. These health repercussions quickly spiral into socio-economic problems for cities, governments and companies, with cost increases from noise-related issues, real estate prices and additional isolation expenses in buildings and households.

Well-being: the new driver of social and economic policy

Cities and Industry have an obligation to citizens to create and maintain healthy and comfortable living conditions. Additionally, they are largely responsible for a country's economic welfare and, therefore, need to comply with local and national regulations. Traffic noise, social events and industrial operations are all noise-producing activities, to name a few. Much as gas emissions, noise is a polluting factor to be monitored and regulated smartly.

**SET UP YOUR SAMPOLS NOISE
MANAGEMENT SOLUTION TODAY**



Phone : +00 9999 777 888, +00 5555 333 222
Email : contact@orbiwise.com, www.orbiwise.com
Address : Route de la Galaise 34, 1228 Plan-Les-Ouates,
Geneva – Switzerland

You want to take fast, cost-effective noise-correcting measures based on real-time data?



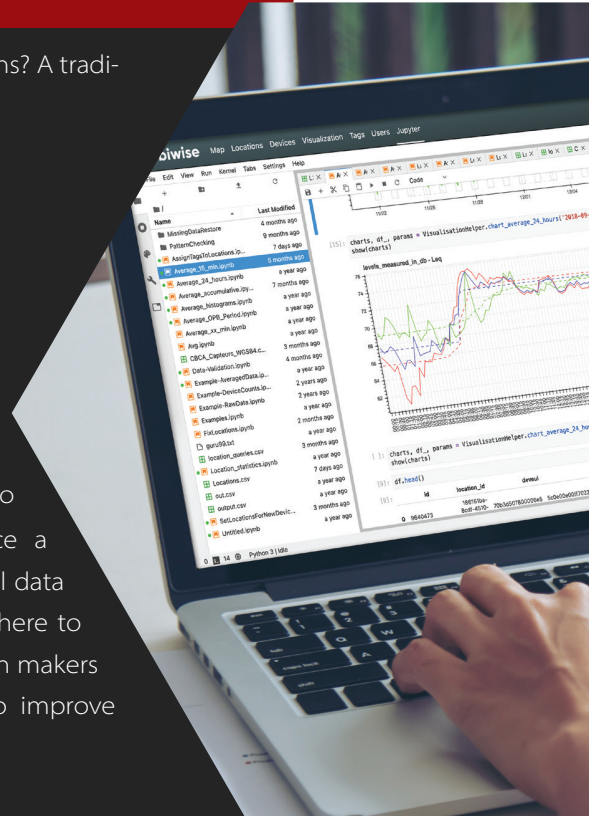
You wish to improve quality of life for our citizens and comply to local regulations? A traditional sound level meter isn't the way to go.

- ❌ Costly material
- ❌ Requires manual intervention for repositioning
- ❌ Manual calibrating and frequent battery replacement
- ❌ Not suited for mass deployment
- ❌ No real-time continuous data

OrbiWise introduces a perfect solution: the LoRaWAN-enabled noise sensor, a small, lightweight and affordable device that can be activated and connected to

the network in minutes. Once a sensor is installed, it sends small data packets to a server, and from there to an application, allowing decision makers to make fact-based choices to improve operational efficiency.

- ✅ Large area coverage
- ✅ Reduced power consumption
- ✅ Massive amounts of real-time data output
- ✅ Allows for fast, reliable noise-correcting measures



Sampols NoiseApp

The OrbiWise Sampols NoiseApp is a high-performance solution for a range of acoustic noise pollution management activities addressing the impact of e.g., road traffic, building construction, restaurants and pubs, social events, or any other environmental noise sources. Sampols NoiseApp is the perfect real-time solution to visualize noise maps, analyze events and evaluate the effect of corrective measures, with minimal maintenance on a fleet of sensors.

Sampols Noise Sensor

The OrbiWise Sampols Sensor is a high-performance and low-cost remote wireless sensor for acoustic noise measurement. It continuously measures and computes the equivalent noise level averaged over 1 second in dBA (Leq1s) and periodically transmits reports containing noise level distribution information (by default mean, minimum, maximum of Leq1s, Leq10, 50 90 and 95) and meta data such as temperature or battery level.