



## Noise of hospitality sector

The easiest way to control noise is to prevent exceeding standards set in the context of public protection, health and safety legislation or environmental legislation. This can be achieved with realtime insight in noise emissions from our INSIGHTNOW™ network and platform. For example, under the Dutch Health and Safety legislation employers are required to avoid hearing damage to their employees.

A good grasp of the sound, relative to the permitted values, allows premise owners or event organisers to adjust sound emissions. Fines and limitations of operating hours, as a result of noise related complaints, is prevented using the INSIGHTNOW™ network and platform. The platform supports covenants on preventing hearing damage in the music industry.

### Continuous insight works

Munisense noise meters continuously record noise levels indoors or outside the premises or stage. The meter sends the data via a secure connection to the INSIGHTNOW™ cloud platform where the noise levels are compared with preset values. Here any impending budget overruns are announced and the available noise budget in dB(A) and dB(C) is visualised, directly and clearly, on any smartphone, tablet or via a web browser.

The noise levels can be monitored remotely to check that the agreed level is not exceeded or that the level should be adjusted. The noise meter also takes measurements outside opening hours. This gives a good guide to noise levels in the surrounding area of the public premises or outdoor venue when it is not open.

Measuring noise indoor as well as outdoor, allows the network to determine automatically which premises caused noise nuisance. For areas with multiple premises like bars, clubs and restaurants our solution provides clarity. The INSIGHTNOW™ network supports multiple meters and users.

**Actual, real-time insight available anywhere, anytime**

**Avoid hearing damage**

**Prevent noise complaints**

**Gain control of noise emission**

**Noise enforcement aid**

**Licensing application support**



## Government

When required, others, like government and/or neighbours, can monitor the noise as well. With the delegation features in the INSIGHTNOW™ platform the customer determines whether and to what extent each third party has access to the noise measurement data.

## The solution

- One (or more) small, rapidly deployable, low-energy noise meter in accordance with IEC60651/802 standard (class 2).
- A gateway connected to the internet via a wired connection or 4G.
- An android tablet to display data via the Horecasense application.
- INSIGHTNOW™ platform to visualize and analyze the data obtained.

### Optional:

- Calibrator for noise meter
- Audio stream
- Energy, temperature and/or humidity meters, please contact us for a datasheet.



## About Munisense

Munisense develops, sells and manages highly innovative real-time and online measurement and control solutions for business and government. Solutions that provide immediate insight in noise, vibrations, water levels, energy use, lighting, water and air quality and that allows effective control over lighting levels, ventilation, and pump activity. Our INSIGHTNOW™ meters are connected to our INSIGHTNOW™ cloud platform where the data is stored in real-time for analysis, visualisation and reporting. The information from the platform can be viewed in a range of specific visualisations any time, any where through a web browser or using our phone or tablet apps. Our applications are developed in close cooperation with universities, governments, partners and customers.

Munisense BV  
Fruitweg 36  
2321 DH LEIDEN

The Netherlands  
[info@munisense.com](mailto:info@munisense.com)  
T +31 (0)71-711 4623  
[www.munisense.com](http://www.munisense.com)

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