



# munisense

## NP-lite noise monitoring for indoors and outdoors

**NP-lite stands for affordable and reliable, has rich functionalities, can be fully managed remotely, guarantees data security and has a strong focus on privacy protection.**

The complete solution for easy noise monitoring, with which also professionals can effectively and efficiently collect and analyze noise data.

### **Perfect for locations with amplified music**

The NP-lite monitoring stations are optimized for semi-permanent measurement networks. As a result, they excel in continuously monitoring locations with amplified music, such as clubs, cafe's, event locations, sports facilities and schools. The NP-lite is also ideal to monitor noise levels to ensure employee safety.

Installation of the NP-lite is effortless, and it is easily linked to existing WiFi networks, 4G or ethernet, without specialist installation knowledge.

### **Excellent for Citizen Measurement Networks**

The NP-lite distinguishes itself by its ease of use, both indoors and outdoors. They are ideally suited for large-scale citizen measurement networks.

The rollout and management are seamlessly facilitated via the INSIGHTNOW™ platform, which meets the ISO27001 standards, essential for measurements in the public environment.

### **Real-time monitoring and sound recognition**

Equipped with a highly sensitive, weatherproof microphone and scalable processing power, the NP-lite instantly recognizes and classifies sound in the living environment.

The NP-lite stations measure and report the European standardized noise values per second, 1/3 octave spectra (from 6 to 10 KHz), statistical values (percentiles) per hour and noise events (peaks), identifying the noise source with machine learning models.

**Affordable, reliable and privacy conscious**

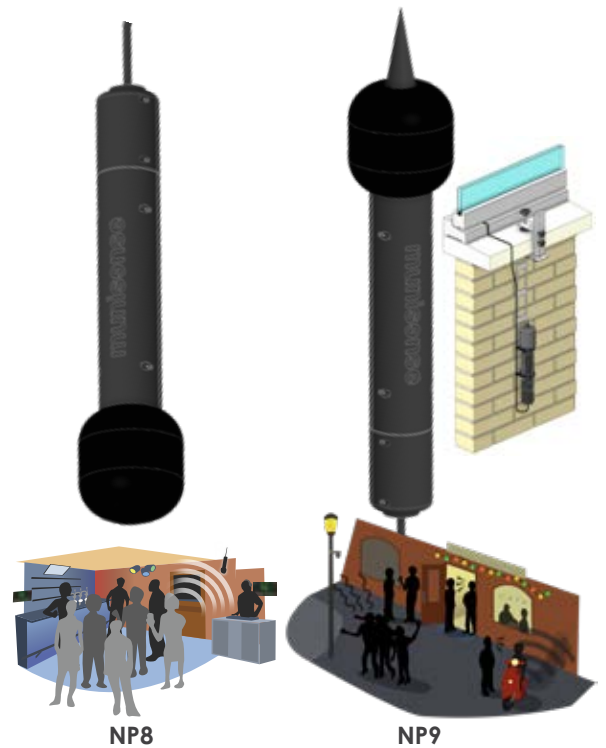
**Very rich functionality**

**Fully manageable remotely**

**Compact and easy to install**



Munisense noisemeters	NP8/NP8-POE	NP9/NP9-POE
Suitable for use:	Indoors	Indoors & Outdoors
<b>Standard</b>		
IEC 60651/60804/61672	Class 2	Class 2
<b>Measured values</b>		
Supported noise levels (1 sec.)	LAF <sub>MIN &amp; MAX</sub> , LAS <sub>MIN &amp; MAX</sub> , LA <sub>EQ</sub> , LCF <sub>MIN &amp; MAX</sub> , LCS <sub>MIN &amp; MAX</sub> , LC <sub>EQ</sub>	
Advancing L <sub>EQ</sub>	T= 1, 2, 3, 5, 15, 30, 60 min.	
Percentiles (LAS and LAF 125 ms)	L0.5, L01, L02, L05, L10, L25, L50, L75, L90, L95, L99, L99.5	
Noise recognition detection (conform ISO 20906)	long term Harmonica Index, 1 uur, L <sub>day</sub> , L <sub>evening</sub> , L <sub>night</sub> , L <sub>den</sub>	
Frequency weightings	Reporting start, duration, top LAS, top LA <sub>EQ</sub> , SEL noise type dB(A), dB(C) and dB(Z)	
Time weighting	Fast, Slow, Impulse	
Measurement range total	30 - 120 dB(A)	
Resolution	0,01 dB	
Accuracy	1,5 dB	
Noise floor of the meter (dB(A))	28 dB	
Spectra, 1/3 Octa	16 Hz - 10 kHz	
Audio	option OggVorbis	
<b>Noise recognition detection</b>	option	yes
Noise recognition ML models;	vehicles, shouting, sirens, horns, bangs, music, etc.	
<b>Microphone</b>		
Type	Omni	Omni
Diameter	1/4"	1/4"
Weather protection	--	Class 2, PE
<b>Storage</b>		
Levels (second values)/Spectra	1 day	1 day
WAV	--	4 days
Capacity	--	32 Gb
<b>Network</b>		
4G	no	yes
WiFi		NPx
Ethernet		NPx-POE
<b>Energy</b>		
Consumption average	1500 mW	2500 mW
NPx		5 Volt USB-C
NPx-POE		12-15 Volt
<b>Access and security</b>		
Trusted Platform Module		yes
Electronic detection unauthorized opening		yes
Local access realtime data	wifi (NPx), ethernet (NPx-POE)	
<b>Environmental conditions</b>		
Long term measurements outdoors	no	yes
Temperature	-20 - 70 °C	-20 - 70 °C
Humidity	20 - 99 %	20 - 99 %
Ingress Protection	--	IP54
<b>Other conditions</b>		
Accuracy timestamp	< 100 msec.	< 100 msec.
Real time clock	yes	yes
GPS location	no	yes
Visibility device temperature	yes	yes
Reporting loss supply voltage	yes	yes
<b>Dimensions and weight</b>		
Housing and microphone (diam. x L)	Ø42x310 mm	Ø42x350 mm
Weight	180 grams	250 grams
<b>Accessories</b>		
Supplied:		
Adapter	yes	yes
Cable NPx	5 meters	5 meters
NPx-POE	7 meters	7 meters
Mounting facility on meter	yes	no
Calibration report	yes	yes
Options:		
24V POE adapter	yes	yes
Windowsill mounting hook incl. flat cable entry	no	yes



NP8

NP9

### Easy data sharing and privacy protection

The INSIGHTNOW™ platform makes real-time and historical measurement data available for detailed analyzes and automatic reporting.

Furthermore, citizens can make authorized or anonymous notifications, which are displayed synchronously with measurement data. Privacy is guaranteed, and, if desired, data can easily be shared with relevant people involved.

### Recycling e-waste

Of course you can deliver or send us your old Munisense devices. We then ensure that they are included in our recycling process.

### About Munisense

Munisense develops, produces, supplies and manages innovative measurement solutions for businesses and governments. Solutions that give stakeholders direct online insight into noise, water quality, water levels and air quality. The information is online available at any time for visualization, analysis or periodic reports. This way managers and policymakers can measure in real time; remotely, reliable and smarter.

**munisense**  
INSIGHTNOW™

Munisense BV  
Touwbaan 38 - A0.08  
2352 CZ LEIDERDORP  
The Netherlands  
info@munisense.com  
T +31 (0)71-711 4623  
www.munisense.com