



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 or 4G, 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 10 to 20 KHz), statistical values (percentiles) per hour and noise events (peaks), identifying the noise source with machine learning models.

Affordable, reliable and privacy conscious

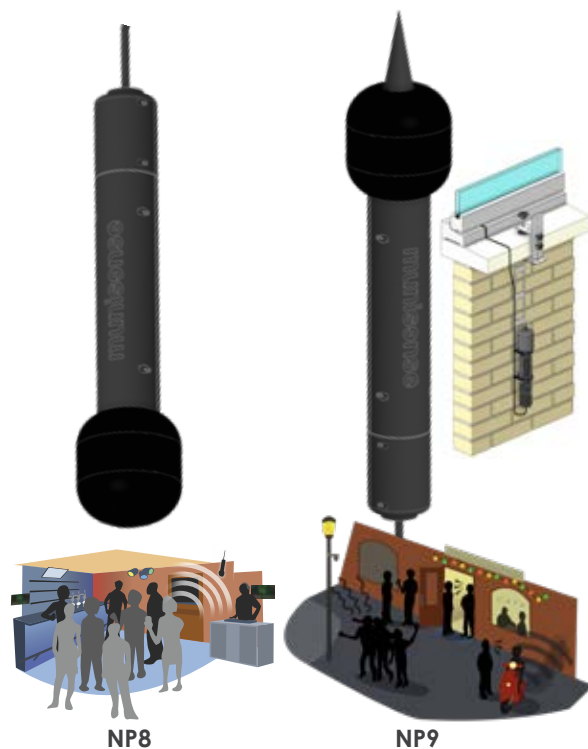
Very rich functionality

Fully manageable remotely

Compact and easy to install



Munisense noisemeters	NP8	NP9
Suitable for use:	Indoors	Indoors & Outdoors
Standard		
IEC 60651/60804/61672	Class 2	Class 2
Measured values		
Supported noise levels (1 sec.)	LAF _{MIN & MAX} , LAS _{MIN & MAX} , LA _{EQ} , LCF _{MIN & MAX} , LCS _{MIN & MAX} , LC _{EQ}	
Advancing L _{EQ}	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)	lange termijn Harmonica Index, 1 uur, L _{day} , L _{evening} , L _{night} , L _{den}	
Frequency weightings	Reporting start, duration, top LAS, top LA _{EQ} , SEL noise type dB(A), dB(C) and dB(Z)	
Time weighting	Fast, Slow, Impulse	
Measurement range total	30 - 120 dB(A)	
Measurement ranges (overlap)	1	
Resolution	0,01 dB	
Accuracy	1,5 dB	
Noise floor of the meter (dB(A))	28 dB	
Spectra, 1/3 Octa	10 Hz - 20 kHz	
Audio	option OggVorbis	
Noise recognition detection	option	yes
Noise recognition ML models;	vehicles, shouting, sirens, horns, bangs, music, etc.	
Microphone		
Type	Omni	Omni
Diameter	1/4"	1/4"
Weather protection	--	Class 2, PE
Storage		
Levels (second values)/Spectra	1 day	1 day
WAV	--	4 days
Capacity	--	32 Gb
Network		
4G	no	yes
WiFi	yes	yes
Ethernet	option	option
Energy		
Consumption average	1500 mW	2500 mW
Supports external battery, like an USB-C powerbank	yes	yes
Access and security		
Trusted Platform Module		yes
Electronic detection unauthorized opening		yes
Local access realtime data	wifi (ethernet is optional)	
Environmental conditions		
Long term measurements outdoors	no	yes
Temperature	-20 - 70 °C	-20 - 70 °C
Humidity	20 - 99 %	20 - 99 %
Ingress Protection	n.a.	IP54
Other conditions		
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
Dimensions (LxWxH) and weight		
Housing and microphone	80x60x441 mm	80x60x441 mm
Incl. weather protection	80x60x541 mm	80x60x541 mm
Weight	200 grams	400 grams
Accessories		
Supplied:		
Adapter (for indoor use)	yes	yes
Suspension 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.

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INSIGHTNOW™

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