NoiseMeters

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NoiseAPI Noise Monitor with Networking and API Access

Features

- HTTP/HTTPS API interface
- WebSocket interface for live feeds
- JSON responses
- Wall mounted for indoor or outdoor Use
- WiFi or Ethernet connection
- Includes noise processor and microphone

Applications

- For system developers and integrators
- Integration with environmental monitoring systems
- Add noise measurement to control systems
- Building management systems

Overview

This model, the NMAPI-SE, is the most popular of the NoiseAPI range. Designed to be wall mounted indoors or outdoors it is protected against poor weather conditions and high dust levels. Even where environmental conditions are good we recommend this model as it is easier to install and provides excellent protection against damage.

NoiseAPI

The NoiseAPI devices incorporate a microphone and precision noise processor, which carries out all the acoustic sampling and calculations that are involved in sound level measurement. The results are presented to your application by a well documented Application Programming Interface (API), so you can concentrate on displaying the results and generating noise reports.

The NoiseAPI responds to HTTP or HTTPS requests, either sent directly to it over your local network or through our optional routing server. There is also a WebSocket interface that you can use if you want a live feed of the sound levels or noise event notifications.

How It Works

The NoiseAPI device needs power - a power adapter is included - and a network connection. It connects to your local network with a CAT5 Ethernet cable or by WiFi. Your software can now communicate with the NoiseAPI on your local network using HTTP requests.

Free Evaluation Account

Full API documentation, along with code samples and live examples are available through an account on our NoiseAPI server. Using an evaluation account, you can also communicate with a NoiseAPI device via our routing server. This is useful to ensure your code can communicate with it successfully and to check that the results are exactly what you need.

Please email NoiseMeters with a few details about your application and requirements. We will email back with login details for an evaluation account that you can use to see if NoiseAPI is the right solution for your application.

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Specifications

Technical Specifications

Acoustic Standards	IEC 61672-2:2002 Class 2 ANSI S1.4 Type 2
Frequency Range	20 Hz to 20 kHz
Measuring Range	30 to 120 dB
Deviation	± 0.5 dB
Frequency Weighting	"A"
Time Weighting	Fast, Slow
Measurements	LAeq, LAFmin, LAFmax, LASmin, LASmax, Ln (L10, L90, etc) over user definable periods. Time history noise profile: sound level parameters every second.
USB Port	For configuration by USB memory stick
Ethernet Port	Weatherproof RJ45 socket
Internal Memory	16 GB for up to 5 years storage
Cabinet	Polypropylene
Weather Protection	IP65
Dimensions	150 x 260 x 75 mm 5.9" x 10.2" x 2.95"
Weight	1.1 kg 2lb 7oz
Power	24VDC, max 12W (power adapter included)

Dimensions

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Web Sites

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Product shortcut:
https://www.noisemeters.asia/product/noiseapi/nmapi-se/

Tech Support:
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