NoiseMeters
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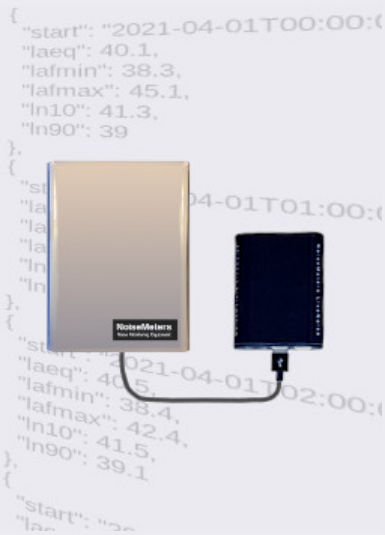
NoiseAPI with Noise Processor



Features

- HTTP/HTTPS API interface
- WebSocket interface for live feeds
- JSON responses
- Wall mounted for indoor 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

The NMAPI-320 is part of the NoiseAPI range of noise monitors with an Application Programming Interface, or API. It consists of a Noise Processor (on the left of the image above) and a NoiseAPI Interface (black box on the right of the image), connected by a USB cable. A power supply is included to power both the Noise Processor and the NoiseAPI box.

NoiseAPI

While the Noise Processor carries out all the measurement and analysis of the sound levels, the NoiseAPI takes that information, stores it and makes it available to your application via a well defined and documented API.

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.

NoiseMeters

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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.
Additional Outputs	0-10 V or 4-20 mA
USB Port	For USB memory stick configuration
Ethernet Port	RJ45 socket
Internal Memory	16 GB for up to 5 years storage
Dimensions	
Noise Processor	121 x 149 x 42 mm, 4.8" x 5.9" x 1.7"
NoiseAPI Terminal	70 x 88 x 29 mm, 2.8" x 3.5" x 1.2"
Power	5 VDC, max 12W (power adapter included)

NoiseAPI NMAPI-320 Noise Monitor Dimensions

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Web Sites

Main site:
https://www.noisemeters.co.uk

Product shortcut:
https://www.noisemeters.co.uk/product/noiseapi/nmapi-320/

Tech Support:
https://support.noisemeters.com