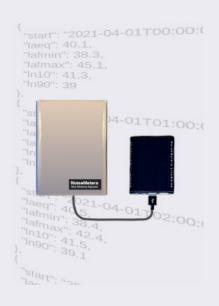
# **NoiseAPI** with Noise Processor



#### **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**

# **NoiseAPI** with Noise Processor

# **Specifications**

# **Technical Specifications**

### **NoiseAPI NMAPI-320 Noise Monitor Dimensions**

Acoustic

IEC 61672-2:2002 Class 2

Standards

ANSI S1.4 Type 2

Frequency

20 Hz to 20 kHz

Range

Measuring 30 to 120 dB

Range

Deviation ± 0.5 dB Frequency "A"

Weighting

Time Fast, Slow

Weighting

Measurements LAeq, LAFmin, LAFmax,

LASmin, LASmax, Ln (L10,

L90, etc)

over user definable periods. Time history noise profile: sound level parameters every

second.

Additional

0-10 V or 4-20 mA

Outputs USB Port

For USB memory stick

configuration

Ethernet Port RJ45 socket

Internal 16 GB for up to 5 years

Memory storage

Dimensions

Noise 121 x 149 x 42 mm, 4.8" x

Processor 5.9" x 1.7"

NoiseAPI 70 x 88 x 29 mm, 2.8" x 3.5"

Terminal x 1.2"

Power 5 VDC, max 12W (power

adapter included)

## **Head Office**

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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