NoiseMeters
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NoiseSensor with 4-20mA Current Loop Output

Features

- Type 1 noise measurement
- 4-20mA current loop output
- Remote calibration check
- Weatherproof for long term outdoor monitoring
- Measures 'A' weighted sound level - dB(A)

Applications

- Integrate with control system (e.g. SCADA, DCS)
- Unattended outdoor monitoring
- Areas with poor access (remote calibration)
- Boundary, construction or industrial noise

Overview

The MK427 NoiseSensor is a weatherproof outdoor noise monitor that converts the sound level into a 4-20mA current loop signal. This standard output can be connected to process control and monitoring systems, such as SCADA and DCS.

To ease installation the NoiseSensor is self-contained, with the microphone and noise processor all enclosed in a single weatherproof unit. There are no complicated settings, just connect it to power and the noise levels will be continuously fed to the 4-20mA output.

As the MK427 NoiseSensor meets the sound level meter standards to Type 1 it is ideal for most environmental noise monitoring applications.

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Specifications

Technical specifications for the MK427 NoiseSensor noise monitor with 4-20mA output.

Output Type	'A' weighted sound level output: 4-20mA loop
Frequency Weighting	dB(A) to IEC 61672 and ANSI S1.4
Time Weighting	Fast (factory option for Slow)
Calibration	Electrostatic actuator with DC voltage control
Measurement Range	34 to 104 dB(A) Range options: 24 - 94 dB to 74 - 144 dB (factory fit)
Current Loop Output	Iout = 0.1 mA/dB
Weight	4.5 kg
Mounting	240mm x 30mm diameter pole Standard mounting kit: 2 x U-bolts, 3 x hose clamps
Protection	IP65
Operating Temp.	-10°C to +50°C
Power	9VDC to 36VDC
Output Cable	10m (other lengths are available)

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Web Sites

Main site:
https://www.noisemeters.com

Product shortcut:
https://www.noisemeters.com/p/mk427/

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