

NoiseSensor with 4-20mA Current Loop Output



Features

- Class 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 Class 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 | I _{out} = 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://noisemeters.ca>

Product shortcut:
<https://noisemeters.ca/p/mk427/>

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