

Noise Sensor

NS100


NS100

The Pessl Instruments sound level noise sentry is a high-performance sound level meter integrated in the iMetos data logger. It includes a precision MEMS microphone, and accurately records date/time of sound levels. Its very small size allows it to be mounted everywhere needed or embedded within monitored equipment. It is used in the building industry and in animal behavior monitoring.

Bandwidth	20Hz to 20 kHz
Dimensions	80 x 80 x 55 mm
Weight	250 g
Measurements	Max Acoustic Level (linear-Pa or dB-SPL) / Min Acoustic Level (linear-Pa or dB-SPL) / Average Acoustic Level (LEQ) (linear-Pa or dB-SPL)
Weighting Functions	A / C
Alarms	Max Instantaneous Level / Max Integrated Level (Dose)
Battery type	CR2032 lithium battery
Operating temperature range	-20°C to 70°C
Storage temperature range :	-30°C to 80°C
Noise Floor	39 dB (typical)
Saturation Level	110 dB (typical)
Resolution	0.1dB
Recorded Resolution	1 dB
Precision	+2 dB (50 Hz – 8 kHz) (typical) / +-5 dB (20 Hz – 20 kHz) (typical)
Sensor Type	MEMS Microphone
Recording interval	Adjustable 1s to 12H, with 10 minutes resolution
Logging interval	User Selectable
Internet contact interval	User selectable
Sensitivity	Adjustable