

Document: Datasheet Sound Sensor
Date: 01-06-2018
Version: 2.0

Standards

Equivalent to Class 2

Frequency Weighting

A and C Weighting

Frequency Range

20 Hz to 20 kHz

Dynamic Range

33 to 121 dB

Measurements

33 to 121 dB

Parameters

Leq, L5, L10, L50, L90, L95, Lmax

DSP Samplerate

48 kHz

Microphone type

Electret condenser microphone

Measurement interval

1, 5, 10, 15 or 30 minutes

Data Storage

Cloud data storage (dashboard.sensorteam.io)

Interfaces

Programmable Digital Sound Processor (DSP)

Audio output

Programmable I/O's (24), I2S, analog

Product Attributes

Sound measurement

Solution Represented

Smart Cities, Smart Building, Smart Agriculture

Radio Frequency Band

EU868 - Europe 863-870MHz

LoRa Class

Class B

RF Module

Microchip RN2483

Sensitivity**Case material**

ABS

IP Rating

IP67

Battery type

Sealed Lead Acid

Power

Solar (Outdoor) or 5V usb (Indoor)

Antenna

Integrated

Depth (cm)

9 (37 including mic + solar + bracket)

Width (cm)

16 (23 including mic + solar + bracket)

Height (cm)

25 (42 including mic + solar + bracket)

Operation temperature

-10 ~ +60 °C

Operation Humidity

0 ~ 95%RH, Non-condensing

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