

DATASHEET

IoT SoundSensor™ V3.02



Standards

LoRa Certification

Frequency Weighting

A and C Weighting

Frequency Range

20 Hz to 20 kHz

Dynamic Range

33 to 121 dB

Parameters $L_{Aeq, 1 \text{ min}}, L_{Ceq, 1 \text{ min}}$
dB(A)fast, dB(A)slow, dB(C)fast, dB(C)slow**Battery voltage**

Geolocation: Lat, Long

DSP Samplerate

48 kHz

Microphone type

Electret condenser microphone

Microphone directive

Omnidirectional

Measurement interval

1 minute

Data Storage

Cloud data storage (dashboard.sensorteam.io)

Interfaces

Programmable Digital Signal Processor (DSP)

Analog Audio output 920 mV RMS max

18 Programmable I/O's (18):

- Analog (10-bit DAC), digital
- PWM, UART, SPI en TWI (I2C)
- DC current per I/O pin: 7mA
- External interrupts

Key Tool[Google Play app](#)**Cable (included)**

USB C male to USB B male

Radio Frequency Band

EU868 - Europe 863-870 MHz

LoRa Class

Class A

RF Module

Microchip RN2483

GPS Module

Ublox

Battery type

Sealed Lead Acid

Power

Solar (Outdoor)

5V DC USB-B (Indoor)

P = 170 mW

Antenna

Integrated

Case material

HIPS UL94-V0

IP Rating

IP67

Weight

4100 gram

Depth

252 mm

Width

246 mm

Height

193 mm

Volume6,8 dm³**Surface**0.23 m²**Operation temperature**

-10 ~ +60 °C

Operation Humidity

0 ~ 95%RH, Non-condensing

Mounting options

4 x M8, 10 mm thread depth

Tabletop

Pole mount bracket