S-SERIES:
SOUND SENSOR

The S-Series sound sensor communicates via our LoWaRan® enabled SoniLink hub to deliver sound level data with its integrated microphone.

The sensor captures a wide range of noise levels and transmits this data to the SoniCloud application via the SoniLink communicating protocol.

It also supports multiple weighting measurements for different application scenarios.

Compatible with the SoniCloud platform, users can view and manage all sensor data as well as configure alarms and view reports.

The S-Series sound sensor is ideal for hospitals, classrooms, hotels and workplaces as well as virtually any other environment where sound sensitivity applies.

Features

- Sensors seamlessly link to SoniLink Hubs, creating a comprehensive monitoring network - connect hundreds of sensors to a single hub, monitor large areas easily
- Our LoRaWAN enabled technology, SoniLink, ensures secure and reliable wireless connectivity. Experience real-time monitoring with long range and power efficiency
- Compact in size and entirely wireless, installation is a breeze
- Equipped with NFC for easy configuration and LED indicator for real-time sound levels
- Instantly compatible with AWS Cloud-based SoniCloud Monitoring
- Tailored alerts and alarms via phone call, text, email and push notification
- 4 years of battery life

S-Series Specifications

Wireless Transmission

Technology	LoRaWAN®
Transmission Power	22 dBm
Sensitivity	-137 dBm @300bps

Measurement

Range	30 dBA to 120 dBA, 35 dBC to 120 dBC
Accuracy	± 3 dB (0ºC to +45ºC)
Resolution	0.1 dB
Frequency Range	30 Hz to 8 kHz
Frequency Weighting	A and C Weighting (Software Switchable)
Time Weighting	Fast Weighting
Measurement Unit	SPL Actual, Leq, Lmax

Others

Configuration	NFC
Button	1 × Power/Reset Button
LED	1 × Status/Alarm Indicator

Physical Characteristics

Power Supply	2 × 2700 mAh ER14505 Li-SOCl2 Replaceable Batteries
Battery Life (10 min interval)	Over 4 Years (Fast time weighting disabled) Over 1.5 Years (Fast time weighting enabled)
Operating Temperature	-20ºC to +60ºC
Relative Humidity	≤95% (Non-condensing)
Ingress Protection	IP30
Dimension	68 × 65 × 20.5 mm (2.68 × 2.56 × 0.81 in)
Material & Color	PC+ABS, White
Installation	On the flat surfaces with screws or 3M tapes