

WS302

Milesight

Sound Level Sensor

Sleek, Minimalistic, Compact Design

WS302 is a LoRa sound level sensor with integrated microphone.

WS302 can measure a wide range of noise levels and supports multiple weighting measurements for different application scenarios.

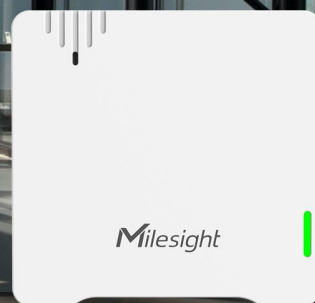
WS302 is used in offices, libraries, classrooms, hospitals, kindergartens, etc.

WS302 applies two 2 × 2700 mAh ER14505 Li-SOCl₂ replaceable batteries providing up to 4 years battery life.

WS302 is equipped with NFC for iOS and Android mobile app configuration.

WS302 is compliant with standard LoRaWAN[®] gateways and network servers

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Wireless transmission

Technology	LoRaWAN® 1.0.3
Regional frequency support	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137 dBm @300bps
Mode	OTAA/ABP Class A

Sound measurement

Range	30 dBA to 120 dBA, 35 dBC to 120 dBC
Accuracy	± 3 dB (0°C to +45°C)
Resolution	0.1 dB
Frequency range	30 Hz to 8 kHz
Frequency weighting	A and C weighting
Time weighting	Fast weighting
Measurement unit	SPL Actual, Leq, Lmax



Specifications are according to the manufacturer and might change without any notice

Sing Go Tech

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Others

Configuration	NFC
Button	1 power/rest button
LED	1 status/alarm indication

Physical characteristics

Power supply	2 × 2700 mAh ER14505 Li-SOCl ₂ Replaceable batteries
Battery life (10 min interval)	Over 4 Years (Fast time weighting disabled) Over 1.5 Years (Fast time weighting enabled)
Operating temperature	-20°C to +60°C
Relative Humidity	≤95% (Non-condensing)
Enclosure	PC+ABS, White
Dimension	68 × 65 × 20.5 mm (2.68 × 2.56 × 0.81 in)
Installation	On the flat surfaces with screws or 3M tape

