

LORAWAN SOUND LEVEL SENSOR



SKU: WSLRW-SL

LoRaWAN SOUND LEVEL SENSOR
WSLRW-SL

LoRaWAN



WSLRW-SL-H1.JPG

WSLRW-SL is a LoRaWAN noise sensor with a measuring range of 30-130 dB(A) for residential, office, factory, construction sites, and public areas... Capacitive technology has high sensitivity, accuracy, and stability. LoRaWAN connectivity enables kilometer-long data transmission to LoRaWAN Gateways. With an ultra-low power design and intelligent firmware, the sensor can operate for up to 10 years with only 2 AA batteries (depending on configuration), or use solar panels for applications of continuous monitoring. The device supports all LoRaWAN bands worldwide.



WIDE FREQUENCY RANGE

Allows measurement from 20-12,500 Hz



LORAWAN

Support Worldwide LoRaWAN frequency bands



BATTERY UP TO 10 YEARS

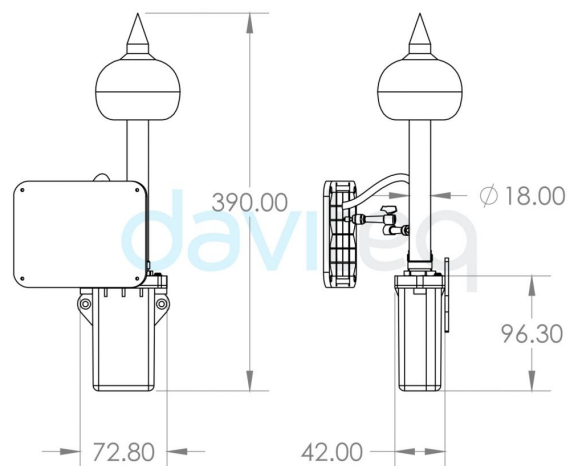
Use batteries for up to 10 years, or use solar panels for continuous monitoring applications.



FOR OUTDOOR

Designed to be installed both indoors and outdoors

DIMENSION DRAWING OF SENSOR NODE
(Unit: mm)



WSLRW-SL-H2.JPG

DAVITEQ TECHNOLOGIES INC

No.11 Street 2G, Nam Hung Vuong Res., An Lac Ward, Binh Tan Dist., Ho Chi Minh City, Vietnam

+84.28.6268.2523 / 6268.2524

info@daviteq.com

www.daviteq.com

DEC-2022 | Doc No: WSLRW-SL-DS-EN-10

1/3

SPECIFICATION

| | |
|------------------------------|--|
| NOISE SENSOR SPECIFICATIONS: | |
| Measuring range | 30-130 dB(A) |
| Frequency range | 20 - 12,500 Hz |
| Resolution | 0.1 dB(A) |
| Accuracy | +/- 0.5 dB(A) at 94 dB(A) and 1 KHz |
| Working temperature | -20 .. + 60 oC |
| Working humidity | 0 - 80% RH |
| LoRaWAN SPECIFICATION: | |
| Data rate | 250bps .. 5470bps |
| Antenna | Internal Antenna 2 dbi |
| Battery | 02 x AA size 1.5VDC, battery not included OR solar panel (buy separately) with 2 x Panasonic Eneloop standard batteries (customer to supply) |
| RF Frequency and Power | 860..930Mhz, +14 .. +20 dBm, configurable for zones: EU868, IN865, RU864, KR920, AS923, AU915, US915 |
| Protocol | LoRaWAN Class A V1.0.3 |
| Data sending modes | interval time, and manually triggering by magnetic key |
| RF Module complies to | ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan) |
| Vietnam Type Approval | |
| Working temperature | -40oC..+60oC (with AA L91 Energizer) |
| Dimensions | H390xW73xD42 |
| Net-weight | < 300 grams |
| Housing | Aluminum + Polycarbonate plastic, IP67 |

|

ORDERING INFORMATION

| | |
|-------------------------------------|--|
| WSLRW-SL-01 | LoRaWAN Sound Level Sensor, 31.5 - 8.000 Hz, 30-130 dB(A), AA batteries, IP67 |
| WSLRW-SL-01S | LoRaWAN Sound Level Sensor, 31.5 - 8.000 Hz, 30-130 dB(A), Solar panel powered, IP67 |
| IP67SOLAR-PN-1W6V-PU-M12F-20-1/4BRK | Solar panel for IoT Device, 1W 6V, M12-F connector and mounting bracket |