

LORAWAN GAS DETECTING SENSOR WSLRW-G4

daviteq

SKU: WSLRW-G4

LoRaWAN GAS SENSOR
WSLRW-G4

LoRaWAN



WSLRW-G4-H1.JPG

WSLRW-G4 is a LoRaWAN electrochemical-type gas sensor with a high sensitivity to low concentrations of detected gas, high selectivity, and a stable baseline. The device supports different types of gas such as CO, NO, NO2, H2S, NH3, O2, O3, SO2, Cl2, HCHO... Ultra-low Power design and smart firmware allow the sensor to last up to 5 years with a 02 x AA-type battery (depends on configuration). The sensor will transmit data at a kilo-meters distance to the LoRaWAN gateway, any brand on the market.

Typical Applications: Gas, toxic gas detecting, air quality monitoring for facility, building, pump station, HVAC...



LORAWAN COMMUNICATION

LoRaWAN communication standard to allow sensor connect to any LoRaWAN Gateway on the market



ULTRA-LOW POWER WITH 5 YEARS BATTERY

Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can last up to 5 years with 02 x AA batteries



HIGH ACCURACY & STABLE

Advanced electrochemical-type gas sensor technology processing to deliver high accuracy and stable measurement



MULTIPLE CHOICES OF GAS

Select CO, NO, NO2, H2S, NH3, O2, O3, SO2, Cl2, HCHO...

LoRaWAN GAS SENSOR
WSLRW-G4

LoRaWAN



WSLRW-G4-H2.JPG

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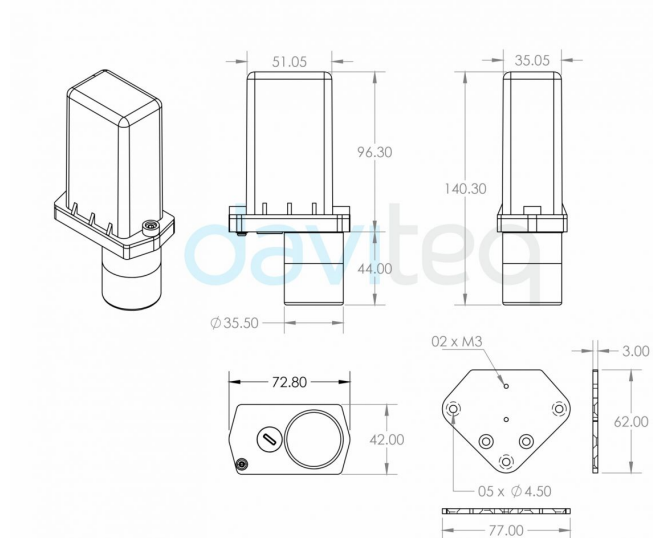
SPECIFICATION

SENSOR SPECIFICATION	
Gas sensor type and specification	List of compatible gas sensors and specification
Sensor housing / Rating	SS316/SS304 housing with 316SS sintered filter / for Indoor use (buy the optional accessory rain-guard for outdoor installation)
LoRaWAN SPECIFICATION	
Data rate	625bps .. 50kbps (with internal Antenna 2.67 dbi)
Battery	02 x AA size 1.5VDC, battery not included
RF Frequency and Power	860..930Mhz, +14 .. +20 dBm, configurable for zones: EU868, IN865, RU864, KR920, AS923, AU915, US915
Protocol	LoRaWAN, class A
Data sending modes	Interval time and when alarm occurred
Configuration	via Downlink or Offline cable (software is free)
RF Module complies to	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Working temperature	-40oC..+60oC (with AA L91 Energizer)
Housing/Protection	Aluminum + Polycarbonate / IP67
Dimension / Net weight	H180xW73xD42 / < 400 grams





DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)



RECOMMENDED BATTERIES FOR LoRaWAN SENSOR

E91 AA Alkaline battery



-18 .. + 60 oC working temperature

10-year shelf life

3000 mAH Capacity

Price: 1X

L91 AA Lithium battery



-40 .. + 60 oC working temperature

20-year shelf life

3500 mAH Capacity

Price: 3.5X

ORDERING INFORMATION

ITEM CODE	DESCRIPTIONS
WSLRW-G4-CO-200-01	LoRaWAN Gas Detecting Sensor, Carbon Monoxide Gas CO, 0-200PPM
WSLRW-G4-H2S-50-01	LoRaWAN Gas Detecting Sensor, Hydrogen Sulfide Gas H2S, 0-50PPM
WSLRW-G4-NH3-100-01	LoRaWAN Gas Detecting Sensor, Ammonia Gas NH3, 0-100PPM

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