

MONITOR ODOUR 24/7

SEN10701-AH00 / LRS10701-AH00 ODOUR IAQ SENSOR



Product Features

- SENSO8 SEN10701-AH00/LRS10701-AH00 Odour IAQ Sensor provides a simple and cost effective solution for Ammonia (NH₃), Hydrogen Sulfide (H₂S) and Ambient Temperature & Humidity monitoring
- Battery or DC Powered
- Support NB-IoT or LoRaWAN
- Color LED bar for Air Quality Index(AQI) indication
- Configurable measurement interval and alert settings
- Open API for easy integration into IoT platform
- Applications: Indoor Air Quality Monitoring for Smart Toilet, Factory, etc.....

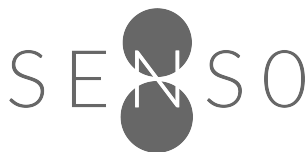
Performance Specifications

	SEN10701-AH00	LRS10701-AH00
Input Power	2 x 3.6V C Size ER26500 Battery or 8.5-15VDC, max 1A Power Adaptor	
Battery Life	Up to 3.5 years ¹	Up to 4.5 years ²
Measuring period	Battery: Every 15 mins DC Power: Every 5 mins	Battery: Every 10 mins DC Power: Every 10 mins
Data upload interval (heartbeat)	Battery: Every 60 mins DC Power: Every 5 mins	Battery: Every 10 mins DC Power: Every 10 mins
Alert notification	Yes, message to server	
Ammonia NH ₃ measurement range	0 - 20ppm, Resolution 0.1ppm	
Hydrogen Sulfide H ₂ S measurement range	0 - 50ppm, Resolution 0.08ppm	
Temperature	Measurement range: -20°C to 60°C Accuracy: ±0.6°C (-20°C to -10°C), ±0.4°C (-10°C to 5°C) and ±0.2°C (5°C to 60°C)	
Humidity	Measurement range: 10 to 100% RH Accuracy: ±4%RH (10-20% RH), ±2%RH (20-80%RH) and ±4%RH (80-100%RH)	

1. Based on 60 mins heartbeat interval for NB-IoT models, LED color bar light off
2. Based on 10 mins heartbeat interval for LoRaWAN models, LED color bar light off

Wireless Characteristics

	SEN10701-AH00	LRS10701-AH00
Wireless Connectivity	LTE Cat NB1 (NB-IoT) B1, B3, B5, B8, B20	LoRaWAN AS923
Transmit Power	Max. 23dBm	Max. 14dBm
Sensitivity	Max. -116 dBm	Max. -140 dBm
Antenna Type	Built-in Antenna (External Antenna – Optional)	



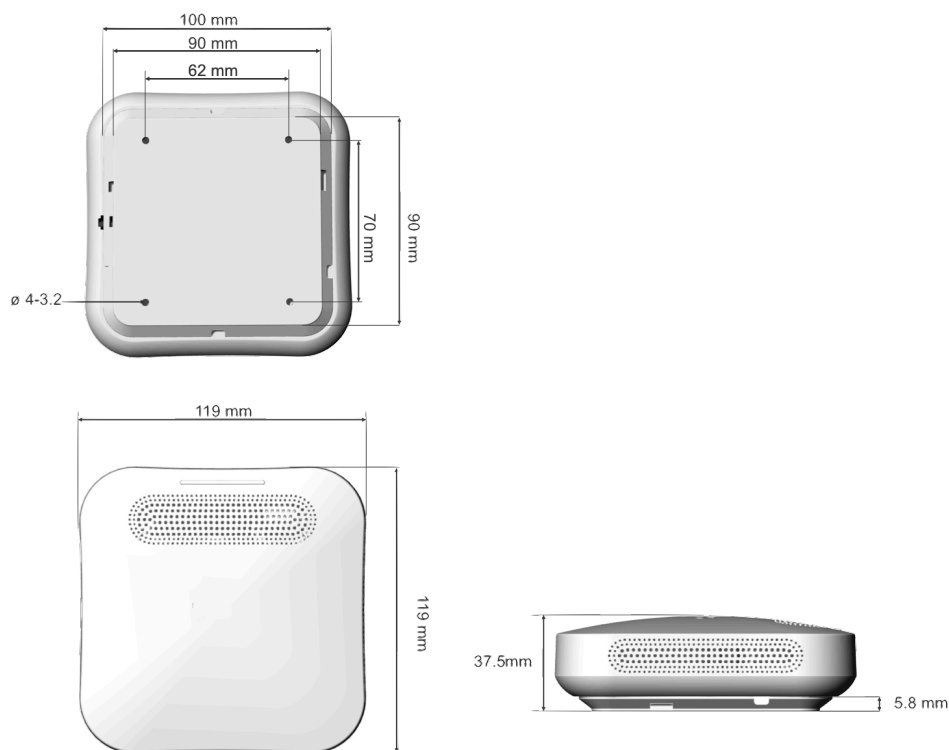
MONITOR ODOUR 24/7

SEN10701-AH00 / LRS10701-AH00 ODOUR IAQ SENSOR

Physical Characteristics

Dimension	H119 mm x W119 mm x H37.5 mm
Weight	approx. 175g
Operating Temperature	-20 to 50°C
Storage Temperature	-30 to 60°C
Storage Humidity Range	<95% RH
Warranty Period	1 Year

Dimension



Ordering Partnumber

Partnumber	Connectivity
LRS10701-AH00-0000	LoRa
SEN10701-AH00-0000	NB-IoT