SENSO

MONITOR AIR QUALITY 24/7

SEN10701-MN00 / LRS10701-MN00 CAR PARK IAQ SENSOR

LoRa

NB-IoT

Product Features

- SENSO8 SEN10701-MN00 / LRS10701-MN00 Car Park IAQ Sensor provides a simple and cost effective solution for Carbon Monoxide (CO), Nitrogen Dioxide (NO_2) and Ambient Temperature & Humidity monitoring
- Battery or DC Powered
- Multi-color LED bar for air quality index indication
- Configurable measurement interval and alert settings
- Offer open API for easy integration into IoT platform
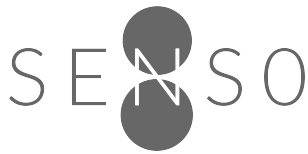- Applications: Indoor Air Quality Monitoring for Indoor Car Park, Garage, Factory…..

Performance Specifications

	SEN10701-MN00	LRS10701-MN00
Input Power	2 x 3.6V C Size ER26500 Battery or 8.5-15V DC, max. 1A Power Adaptor	
Battery Life	Up to 3.5 year[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	
Carbon Monoxide(CO) measurement range	0 - 100ppm, Resolution 0.5ppm	
Nitrogen Dioxide(NO_2) measurement range	0 - 5ppm, Resolution 0.05ppm	
Temperature	Measurement range: -20℃ to 60℃ Accuracy: ±0.6℃ (-20℃ to -10℃), ±0.4℃ (-10℃ to 5℃) and ±0.2℃ (5℃ to 60℃)	
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 LoRa models, LED color bar light off

Wireless Characteristics

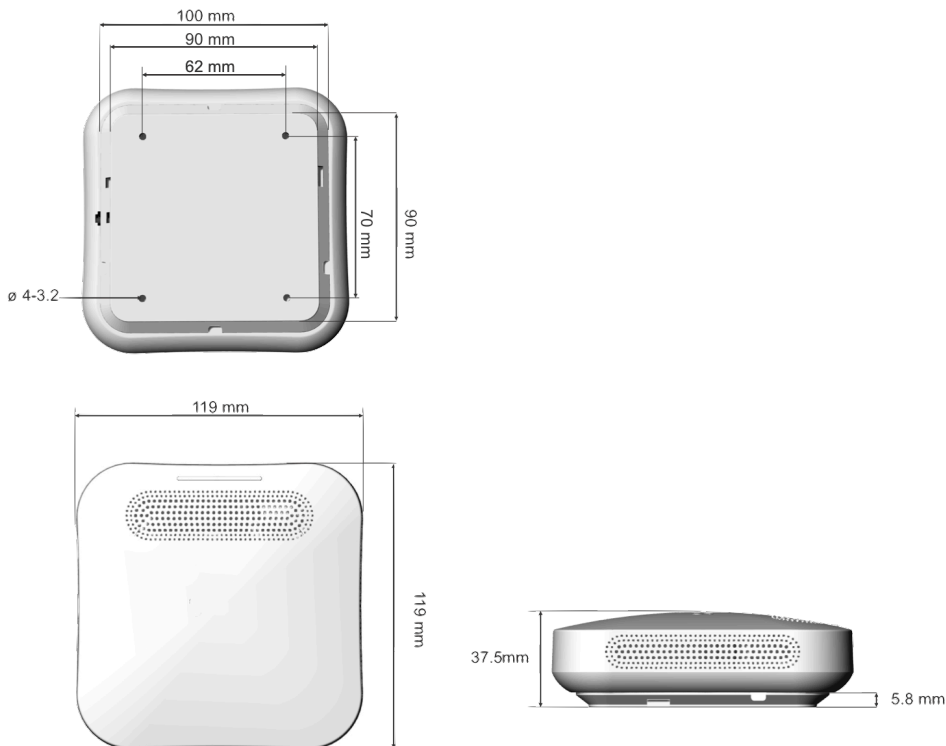|	SEN10701-MN00	LRS10701-MN00
Wireless Connectivity	LTE Cat NB1 (NB-IoT) B1, B3, B5, B8, B20	LoRaWAN AS923
Transmit Power	Max. 23dBm	Max. 14dBm
Sensitivity	Max. -116 dBm	Max. -140 dBm
Antenna Type	Built-in Antenna (External Antenna – Optional)	

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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-MN00-0000	LoRa
SEN10701-MN00-0000	NB-IoT

Ver 1.11
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make changes without notice

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TECHNOLOGY

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