

LoRaWAN 8-in-1 Sensor

Temp / Humidity / CO2 / PM1.0 / PM2.5 / PM10 / TVOC / HCHO

# Modular Indoor Air Quality Combo

SKU: ES-106

## Specification

Wireless Transmission		
Technology	LoRaWAN®	
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-18.28.3&4	
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)	
Sensitivity	-137dBm @300bps	
Mode	OTAA/ABP Class A	
Sensors		
Temperature	Temperature Range	-40°C to +125°C
	Accuracy	±0.2°C
	Resolution	0.01°C
Humidity	Humidity Range	0% to 100% RH
	Accuracy	±1.8%RH
	Resolution	0.01% RH
Carbon Dioxide (CO2)	Carbon Dioxide (CO2) Range	0 to 5000 ppm
	Accuracy	±(50 ppm + 5 % of reading)
	Resolution	1 ppm
Particulate Matter (PM 1.0 / 2.5 / 10)	PM Range	0 ~ 1000 µg/m3
	Accuracy	< ±10%
	Resolution	0.3µm
(Total Volatile Organic Compound) TVOC	TVOC Range	0.00 ~ 10.00PPM
	Accuracy	< ±4%
	Resolution	1 ppb
Formaldehyde (HCHO)	Formaldehyde (HCHO) Range	0 ~ 2000 ppb
	Accuracy	±10 %
	Resolution	1ppb
Physical Characteristics		
Power Supply	4 × 2700 mAh ER14505 Li-SOCl2 Replaceable Batteries   Type-C	
Dimension	125 × 125 × 28.5 mm	
Installation	Wall Mounting	