

# Yoswit Smart IAQ Sensor Datasheet

Model: YO161 (R2W)

Revised: 01-12-2024



## The Ultimate Solution for Comprehensive Air Quality Monitoring

Yoswit Smart IAQ Sensor is designed to detect a wide range of air pollutants, providing clear and precise readings for your home. Users can customize data update intervals and set minimum and maximum values for each air type. When levels exceed these thresholds, the sensor automatically sends notifications. Equipped with multiple chemical sensors, it ensures stable and accurate monitoring for reliable information. Long-term precision reduces the need for frequent maintenance or recalibration. With built-in WiFi, you can remotely and in real-time observe air quality through the Yoswit app, tracking health trends and changes throughout the day. The intuitive indicator lights offer a quick overview of air quality, while the sleek, compact design integrates seamlessly with any building management system.

Connection:



### Key Features and Benefits

- Comprehensive Detection of Various Air Pollutants
- Customizable Data Update Intervals and Thresholds for Air Types
- Automatic Alerts When Pollutant Levels Exceed Defined Thresholds
- Stable and Accurate Monitoring
- Long-Term Precision Minimizes Maintenance and Recalibration Needs
- Built-in WiFi Enables Remote Air Quality Observation via Yoswit App
- Intuitive Indicator Lights Provide an Overview of Air Quality Status
- Sleek and Compact Design Integrates with Any Building Management System

### Various Customized Products

We offer a comprehensive selection of smart home products that are seamlessly adapted to the usage standards and various socket types in different countries, ensuring a smooth installation process for all users. With extensive compatibility, our products enable you to control a diverse range of household appliances, including lighting, air conditioning, and TV.



Light Switch



Dimmer Switch



2 Way Switch



Double Pole Switch



Gate Controlled Switch



Hidden Controlled Switch



Outlet



Roller



Curtain



Remote Control





Thermostat

### Yoswit App


You can download our app to implement the following functions via Bluetooth and WiFi to control the Yoswit switches.

  
Time Setting

  
Scene Mode


  
Device Network

  
Away Detection

  
Password Protection

  
Network Control

  
Apple Siri

  
Google Assistant

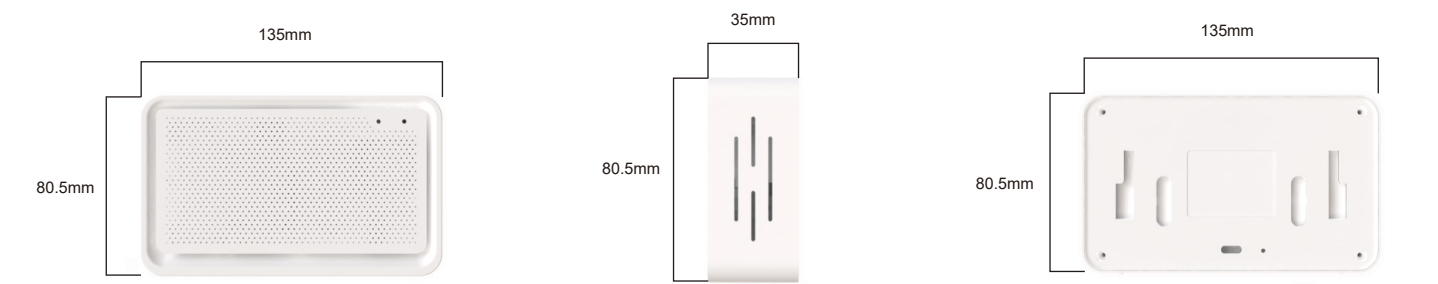
  
IFTTT

Depends on Yoswit Bridge Solutions.



## Product Specifications

### Specifications:



Detection Function	Detection Range	Structure
Score	0-100	Detachable
Temperature	Measurement Range: -10~50°C Measurement Accuracy: ± 1°C	
Humidness	Measurement Range: 0~90% RH Measurement Accuracy: ± 6% RH	
PM1 PM2.5 PM4 PM10	Measurement Range: 0~1000ug/m³ Measurement Accuracy: ± 10%	
Volatile Organic Compounds (VOC) Nitrogen Oxides (NOX)	Measurement Range: 0~1000ppm	
CO1	Measurement Range: 0~500ppm Measurement Accuracy: ± 0.1ppm	
CO2	Measurement Range: 400~2000ppm Measurement Accuracy: ± 40ppm	
O3 Concentration	Measurement Range: 0~10ppm Measurement Accuracy: ± 0.01ppm	
HCHO	Measurement Range: 0~5ppm Resolution: ≤0.01ppm	
Ambient Light	Measurement Range: 0.01~83,000 Lux Measurement Accuracy: ± 1 Lux	Non-Detachable
Atmospheric Pressure	Measurement Range: 300~1100hPa Measurement Accuracy: ± 1hPa	
Noise	Measurement Range: 30~100db Measurement Accuracy: ± 5db	Reserved Interface

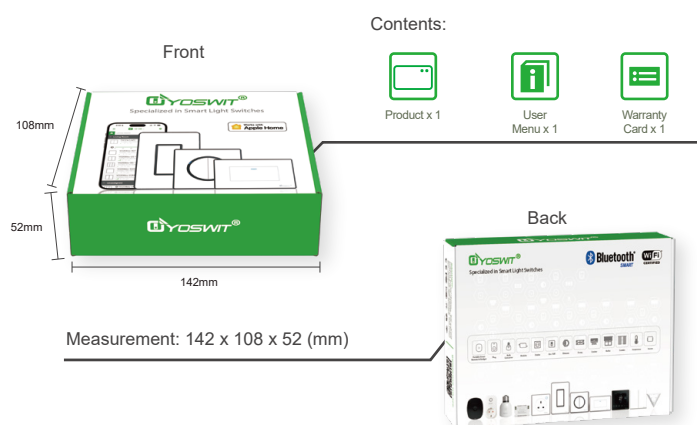
## Hardware

Power Supply	DC 5V / 2A
Power Dissipation	<5W
Power Supply Interface	Type-C
Air Quality Display	RGB Light

## General Specifications

Product Name	Yoswit Smart IAQ Sensor
Model	YO161 (R2W)
EAN / UPC	EAN: 0765756497305 / UPC: 765756497305
Revision	V1.0
Compliance	CE, FCC, RoHS
Manufacturer	Designed by Yoswit in Hong Kong, China / Assembled in Guangdong, China
Warranty	Two Year Limited Warranty (*Details available on the Product Warranty and Limitations of this datasheet)

## Product Package



## Outer Box



## Product Warranty and Limitations

Yoswit brand products guarantee for a period of 2 years warranty from the date of purchase. During the warranty period and in the event that a defective product is identified (non-human factors), Yoswit will provide free maintenance. Damage beyond the warranty period or caused by improper use is not covered within the warranty, Yoswit will not bear any responsibility for repair, and will still provide users with a lifelong maintenance of paid services. If the products need to be repaired or returned to our company, an appropriate fee should be charged based on specific situation to cover the cost of replacement. Regardless of the warranty status, all shipping costs are borne by users.

## LINCOGN TECHNOLOGY CO. LIMITED

Address: Room 202, 2/F, Building No. 19 West Science and Technology Avenue, Science Park, Shatin, N.T., Hong Kong  
info@yoswit.com | Tel: (852) 3996 9396 | Fax: (852) 3119 8778 | www.yoswit.com