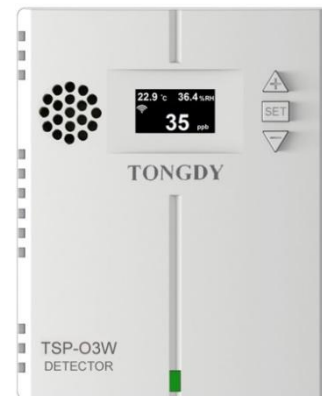# Tongdy

Tongdy Sensing Tech.

Ozone Monitor with Wi-Fi

Applications

- **Remote ozone monitoring in disinfection and sterilization places such as hospitals and pharmaceutical workshops**
- **Monitoring indoor environment ozone of office buildings, hotels, shopping malls, libraries and other public places**
- **All other applications that require collection and analysis of ozone data and other places where air quality is easy to worsen**

Scan the QR code to visit our website

www.iaqtongdy.com

info@tongdy.com

Product No: TSP-O3W Series

- Real-time detecting Ozone in ambiance and indoor

- Wall mounting, Wi-Fi communication interface, an expansion Modbus RS485 serial port

- Electrochemical ozone sensor inside, with temperature and humidity compensation

- Ozone sensor modular design, easy for replacement

- Optional OLED display

- 24VDC/VAC or 100~240VAC power supply

- Provide the wall mounting bracket

Applications

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- Monitoring indoor environment ozone of office buildings, hotels, shopping malls, libraries and other public places
- All other applications that require collection and analysis of ozone data

Specifications

General Data	
Power supply	24VAC/VDC±10% 100~240VAC (Either-or)
Power	2.0W (Average power)
Working environment	0~50℃/ 0~95%RH
Storage environment	-5℃~60℃,0~90%RH(No condensation)
Dimension/Net weight	95(W)X117(L)X36(H)mm / 260g
Manufacturing process	ISO 9001 certified
Housing and IP class	PC/ABS fire proof plastic， IP30 protection class
Compliance	CE-EMC certificate
Ozone Sensor	
Sensor element	Electrochemical O3
Sensor lifetime	>2 years, sensor modular design, easy to replace
Warm uptime	<60 second
Response time (T90)	<120 second
Signal update	1 second
Measuring Range	1000ppb(Default) 0-500ppb/5000ppb/10000ppb optional
Accuracy	±20ppb + reading 5% (20℃/ 30-60%RH)
Display resolution	1ppb (0.01mg/m3)
Stability	±0.5%
Zero drifting	<1% every year

Humidity Monitoring	Optional
Output	
Display	OLED display showing real-time measurement of ozone and temperature& Humidity.
Communication interface	Wi-Fi @2.4 GHz 802.11b/g/n
Data transmission	Measurement averages per minute / hour / 24 hours
Serial port extension	RS485 (Modbus RTU) Communication rate: 9600bps (default), 15KV antistatic protection
Indicator light	Green: communication well Red flashing: Wi-Fi configuration

Models guide

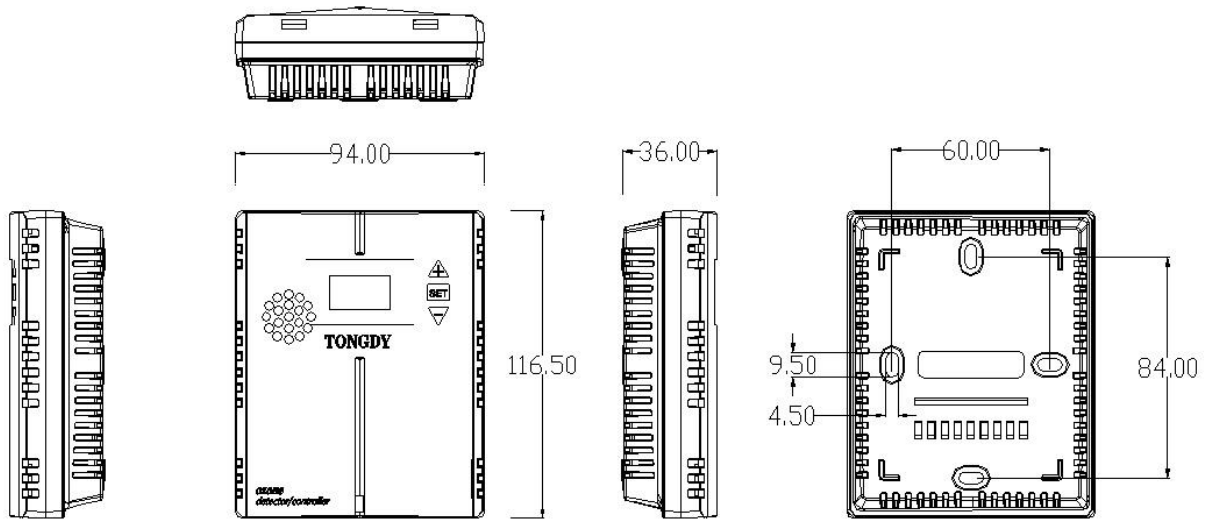| Model	Ozone	Temp. &RH	24VAC/VDC Power Supply	100~240VAC Power Supply	Display	Communication interface
TSP-O3-W021C	●	●	●			Wi-Fi @2.4 GHz 802.11b/g/n
TSP-O3-W021D	●	●		●		
TSP-O3-W121C	●	●	●		●	
TSP-O3-W121D	●	●		●	●	

Above model with suffix can choose measuring range：

-005 means 0~500ppb

-010 means 0~1000ppb 　（default）

-100 means 0~10000ppb

-200 means 0~20000ppb

Dimension and mounting

94.00

116.50

36.00

60.00

84.00

9.50

4.50

CO2ppm
detector/controller

TONGDY

SET

Installation bracket for wall mounting