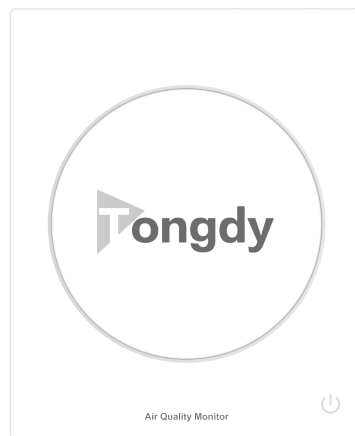
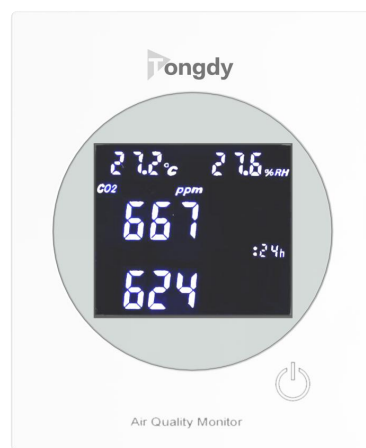


Carbon Dioxide Monitor

WiFi/RJ45/RS485 and Data Logger Option



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Focus on air quality monitoring more than 15 years

Offered over ten series professional air quality monitors

High quality monitors with applied experience in thousands of projects globally

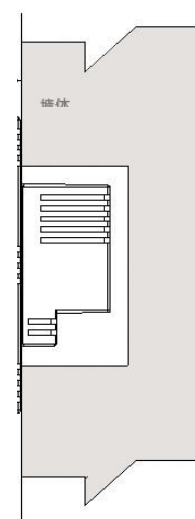
Product No: EM21-CO2

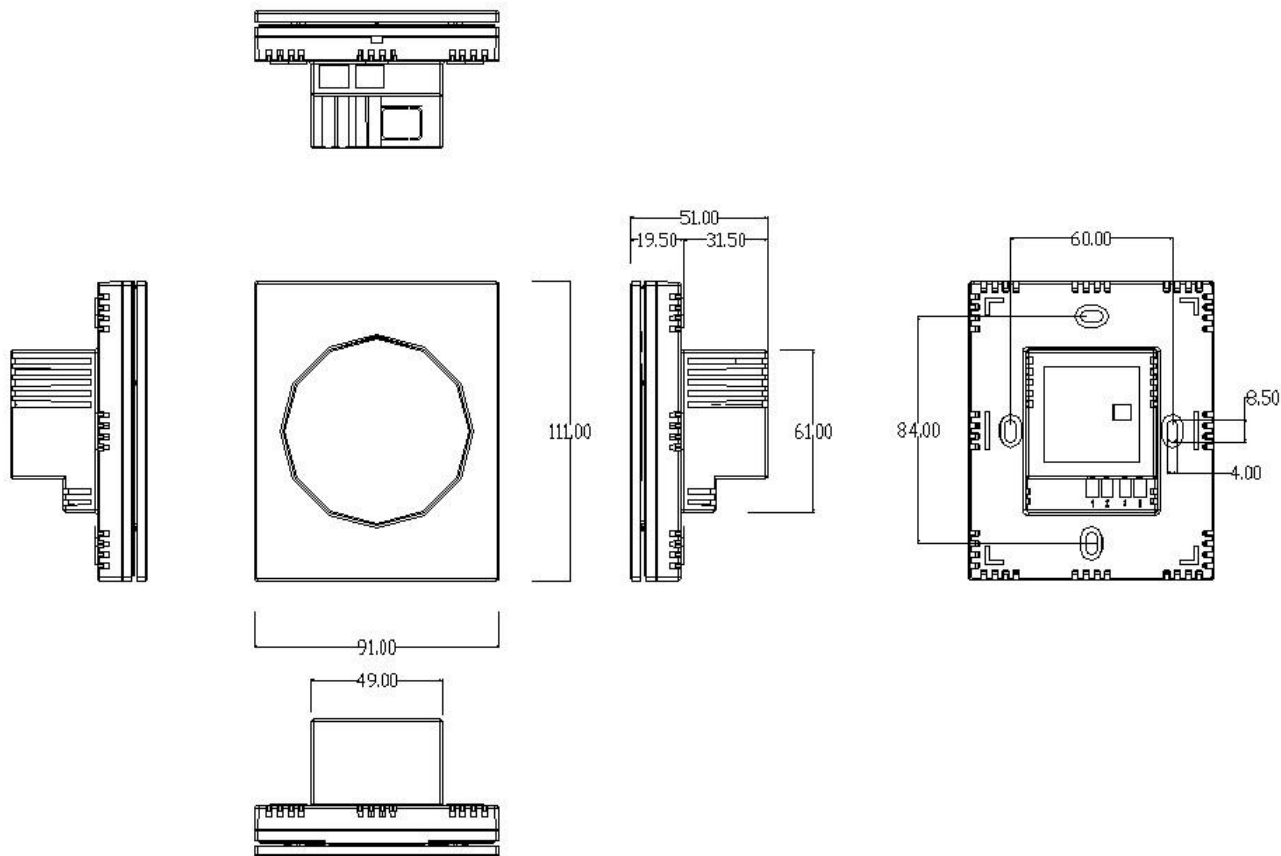
Features

- In-Wall installation or On-Wall mounting
- Optional LCD display real time CO2 and 24 hours average CO2
- Automatic screen brightness adjustment for day or night
- 3-color LED lights indicating three CO2 ranges
- 18~36VDC/20~28VAC power supply or 100~240VAC power supply
- Optional data logger with up to 156 days storage for every 5 minutes data, download data by BlueTooth
- WiFi or Ethernet or RS485 interface is optional

Wall-Embedded Mounting

Applicable to tube box of Europe, American, and China standard





Specifications

	CO2	Temp.&RH
Sensor	NDIR sensor	Digital integrated temp. and humidity sensor
Measuring Range	400~5,000ppm	-20℃~60℃ 0~99%RH
Output Resolution	1ppm	0.1℃ 0.1%RH
Accuracy	±50ppm+3% reading	±0.6℃ ±4.0%
LCD display(option)	Real time CO2 24h Ave CO2	Real time T&RH

General Specifications

Measuring parameters(max.)	CO2, Temp.&RH	Operation environment	0~60°C 0~99%RH (non-condensing)
Output (Optional)	/RS485 (Modbus RTU/BACnet MS/TP) /WiFi @2.4GHz 802.11b/g/n (MQTT) /Ethernet RJ45(TCP) (MQTT)	Storage condition	0~50°C 0~70%RH
Data storage	145860 points	Power supply	24VAC/VDC±20% 100~240VAC
Download data via BlueTooth APP	156 days every 5 min. or 312 days every 10 min. for CO2 104 days every 5 min. or 208 days every 10 min. for CO2 plus Temp.&RH	Overall Dimension	91.00mm*111.00mm*51.00mm
		Shell material and IP level	PC fireproof material IP30 level

Models Guide

No.	Model	CO2	Temp &RH	Data Logger	Output	Display	Power Supply
1	EM21-CO2-S16C/D	•	•		RS485	S-LCD display B-instead of S (No display)	C-18~36VDC/ 20~28VAC D-100~240VAC PoE-48V switch power
2	EM21-CO2-S16C/D-K	•	•	•	Modbus RTU/ BACnet MS/TP		
3	EM21-S26C/D	•	•		Wi-Fi		
4	EM21-S26C/D-K	•	•	•	(MQTT)		
5	EM21-S36C/PoE	•	•		Ethernet TCP		
6	EM21-S22C/PoE-K	•	•	•	(MQTT)		

We provide commercial air quality monitors for indoor, in-duct and outdoor
Please contact us for details about more air quality products



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