

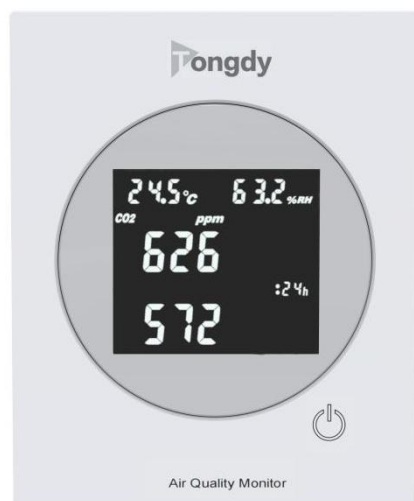
EM21

Carbon Dioxide Air Quality Monitor

Focus on air quality monitoring and control for 15 years

Offering more than ten series professional air quality monitors

High quality monitors with applied experience in thousands of projects globally



EM21- CO2 MONITOR

In-Wall installation or
On-Wall mounting

LCD display optional
Automatic screen brightness adjustment

3-color LED lights indicating three CO2 range

18~36Vdc/20~28Vac power supply or
100~240Vac power supply

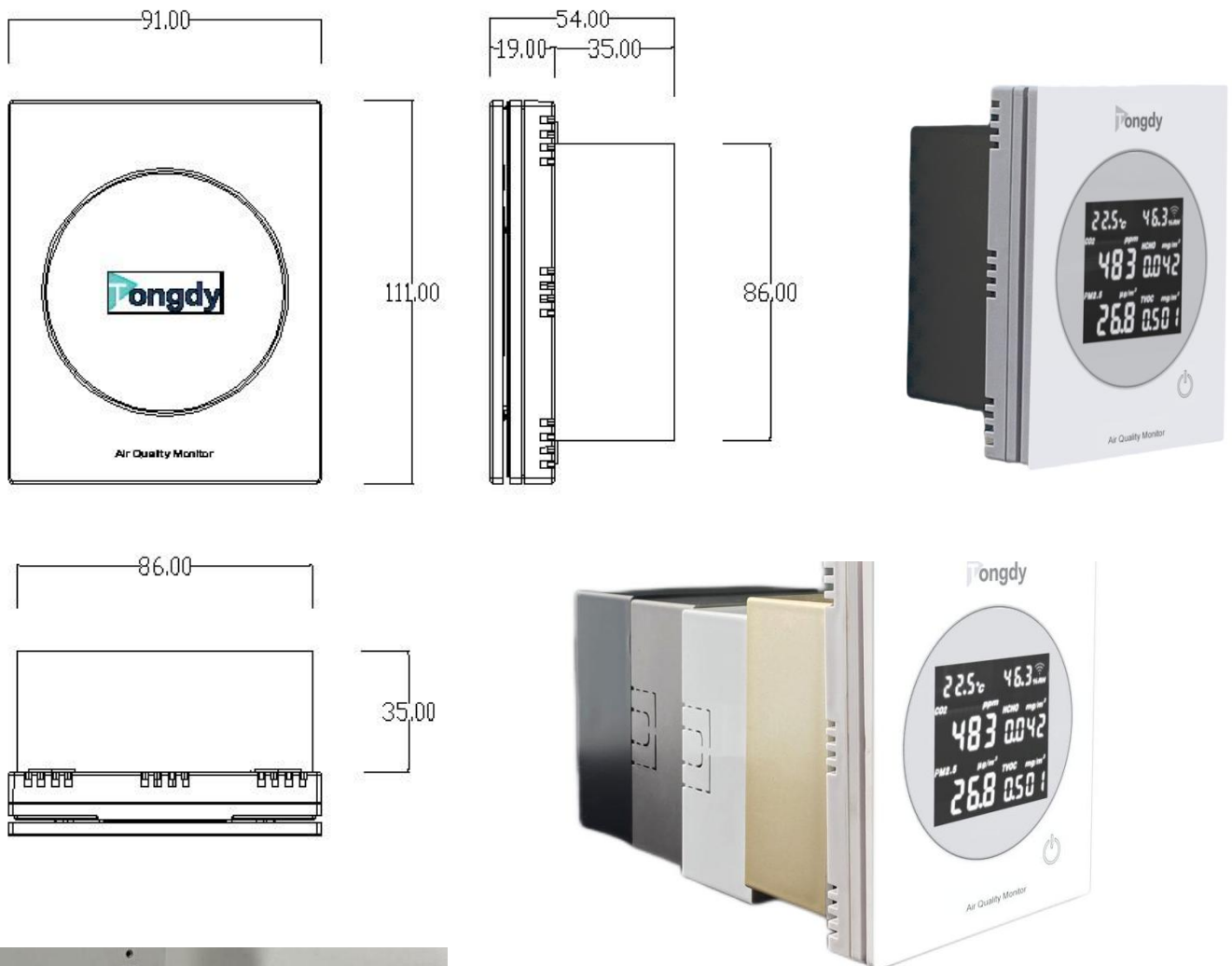
Real time CO2 monitoring and
24 hours average CO2

Optional PM2.5 simultaneous monitoring or
TVOC monitoring

RS485 interface or
Optional WiFi interface

Optional data storage,
download with Bluetooth

Wall mounting or desktop placement with a surface mounted pipe box



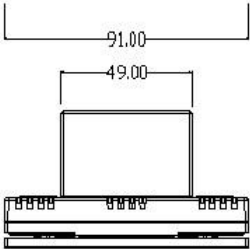
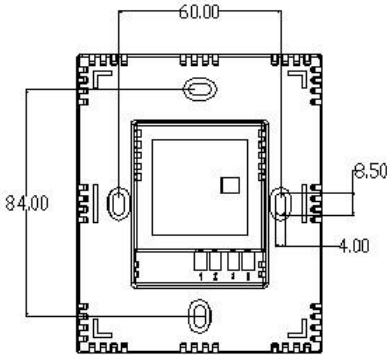
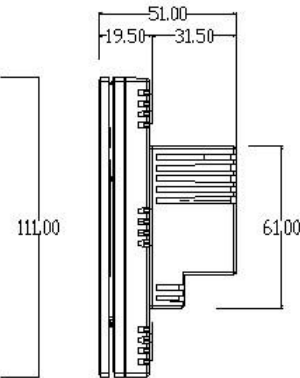
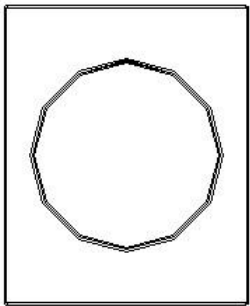
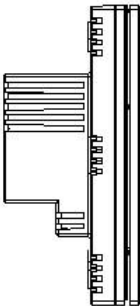
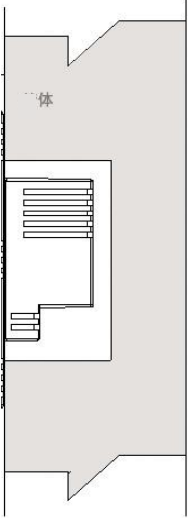
4 color surface mounted tube boxes
are optional



Place on the desk

Wall-Embedded Installation

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



Technology Specifications

	CO2	Temp.&RH	PM2.5	TVOC
Sensor	NDIR sensor	Digital integrated temp. and humidity sensor	Laser particle sensor	Meter oxide semiconductor
Measuring Range	400~5,000ppm	-20℃~60℃ 0~99%RH	0~500ug/m3	0.001~4mg/m3
Output Resolution	1ppm	0.1℃ 0.1%RH	1ug/m3	0.001mg/m3
Accuracy	±50ppm+3% reading	±0.6℃ ±4.0%	<15%	<15%

General Specifications

Measuring parameters(max.)	CO2, Temp.&RH (optional Pm2.5, TVOC)	Operation environment	0~60℃ 0~99%RH (non-condensing)
Output (Optional)	RS485 (Modbus RTU/BACnet MS/TP) WiFi @2.4GHz 802.11b/g/n	Storage condition	0~50℃ 0~70%RH
Data storage (Optional)	3~6 months data storage Bluetooth download	Overall Dimension	91.00mm*111.00mm*51.00mm
Power supply	24VAC/VDC±20% 100~240VAC	Shell material and IP level	PC fireproof material IP30

Models Guide

No.	Model	CO2	PM2.5	TVOC	Temp &RH	Bluetooth	Output	Display	Power Supply
1	EM21-S06C/D	●			●			S- LCD display	C-18~36vdc/ 20~28vac D-100~230vac
2	EM21-S06C/D-K	●			●	●			
3	EM21-S03C/D-K	●	●		●	●			
3	EM21-S16C/D	●			●		RS485 Modbus RTU/ BACnet MS/TP	B instead of S - No display	
4	EM21-S12C/D	●		●	●				
5	EM21-S13C/D	●	●		●				
4	EM21-S26C/D	●			●		WiFi (MQTT)		
5	EM21-S22C/D	●		●	●				
6	EM21-S23C/D	●	●		●				

We provide commercial air quality monitors
for indoor, in-duct, outdoor air detection
Please contact us for more products
information

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