



Duct-Mounted CO₂ Transmitter
AM6208D

Features

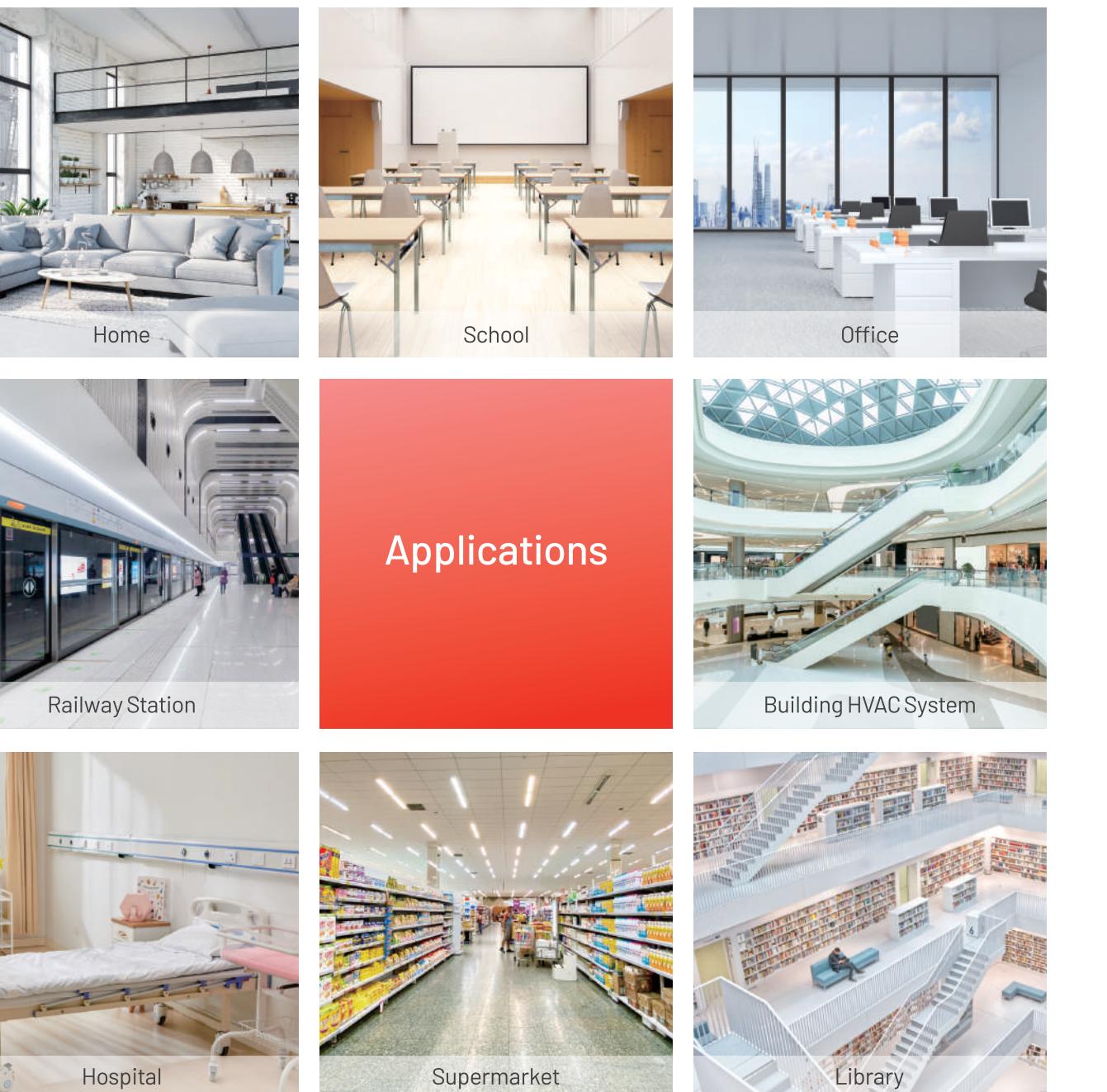
- Industrial standard analog output: 0~10 VDC, 4~20mA
- Reliable NDIR (Non-Dispersive Infrared) technology for CO₂ sensing
- Matrix calibration technology to ensure better performance under wider temperature and measurement range
- High accuracy, in conformity with RESET Standard Grade A (Note 1) & ASHRAE 62.1-2022 (Note 2)
- PM, VOC, RH&T available
- Long lifespan, 15+ years lifetime
- Protection grade IP65

Specifications

Operating Principle	NDIR
Measurement Range	0~5000ppm
CO ₂ Accuracy	±75ppm @ 400~2500ppm available
Resolution	1ppm
Data Interval	1s
Power Supply	24VAC/DC±10%
Analog Output	0~10V, 4~20mA (500Ω max)
Working Conditions	-10°C~50°C, 0~95%RH (non-condensing)
Storage Condition	-20°C~70°C, 0~95%RH (non-condensing)
Response Time (T ₉₀)	≤30s
Average Current	≤60mA
Standby Current	≤20mA
Dimension	W86*L120*D185 (mm)
Installation	Duct-Mounted
Protection Grade	IP65

Note 1: The accuracy standard quotes "The RESET" Air STANDARD for Accredited Monitors v2.0", copyright @ 2018 RESET.

Note 2: ASHRAE standard 62.1_2022 which published on 31st Oct. 2023 states that "CO₂ sensors shall be certified by the manufacturer to be accurate within ±75 ppm at concentrations of 600, 1000 ppm, and 2500 ppm when measured at sea level at 77 °F (25 °C)"



Virtec Instruments Inc

43N 2600W, 210 Hurricane Utah- 84737, U.S.A +1 (661) 444-8571 | Website: www.virtec.us | Email: sales@virtec.us

Air Quality Monitor & Transmitter



HVAC Transmitter
AM6108 Series



Air Quality Monitor
AM7000 Series



Duct Mounted Transmitter
AM6208D

All products are in continuous development and therefore specifications may be subject to change without prior notice.



BACnet/ModBus/Wi-Fi/EnOcean HVAC Transmitter
AM6108 Series

Features

- BACnet/Modbus protocol for choice
- IoT wireless monitoring is available
- Real-time monitoring for CO₂, PM1.0, PM2.5, PM10, RH&T (TVOC is optional)
- Compatible with touch-screen operation, device ID, MAC ID and baud rate can be set via surface
- OEM/ODM is available (sensor configuration, appearance design, PCBA design, software development etc.)

Specifications

Measurement Range	CO ₂ : 0~5000ppm; PM2.5: 0~999µg/m ³ Temperature: -10°C~50°C; Relative Humidity: 0~95%RH
PM Accuracy	PM2.5: 0~100µg/m ³ , ±10µg/m ³ , >100µg/m ³ , ±10% of reading (25°C±2°C, 50±10%RH)
CO ₂ Accuracy	± (50ppm+5% of reading) @0~50°C/± (30ppm+3% of reading) is optional
Temperature Accuracy	±1°C (0~50°C)
Humidity Accuracy	±8%RH (0~95%RH)
Working Condition	-10°C~50°C, 0~95%RH (non-condensing)
Wireless Connectivity	Wi-Fi/EnOcean
Power Supply	12VDC or 24VAC/DC
Interface	RS485
Dimension	W86*H86*D25 (mm)
Installation	Wall Mounted (standard American single gang switch plate is available)

RESET Certificate is Custodian provided by OEM.



Air Quality Monitor
AM7000 Series

Features

- MQTT integration function with various cloud servers is available, such as Microsoft Azure, AWS, Google Cloud, etc
- Smart device with phone APP and website service to get air quality measurement data
- Real-time monitoring for CO₂+PM2.5+RH&T (HCHO/TVOC is optional)
- Traffic light indicates different CO₂ concentration
- Desktop monitor, USB power supply
- OEM/ODM is available (sensor configuration, appearance design, battery supply, PCBA design, software development etc.)

Specifications

Measurement Range	CO ₂ :0~5000ppm; PM2.5: 0~999µg/m ³ Temperature: -10°C~50°C; Relative Humidity: 0~95%RH
PM Accuracy	PM2.5: 0~100µg/m ³ , ±10µg/m ³ , >100µg/m ³ , ±10% of reading (25°C±2°C, 50±10%RH)
CO ₂ Accuracy	± (50ppm+5% of reading) @0~50°C/± (30ppm+3% of reading) is optional
Temperature Accuracy	±1°C (0~50°C)
Humidity Accuracy	±8%RH (0~95%RH)
Working Condition	-10°C~50°C, 0~95%RH (non-condensing)
Wireless Connectivity	Wi-Fi/Bluetooth
Power Supply	DC 5V
Interface	USB
Dimension	W90*H80*D53 (mm)



Wall-Mounted CO₂ Transmitter
AM6208W

Features

- Industrial standard analog output: 0~10 VDC, 4~20mA
- Reliable NDIR (Non-Dispersive Infrared) technology for CO₂ sensing
- High accuracy, in conformity with RESET Standard Grade A (Note 1) & ASHRAE 62.1-2022 (Note 2)
- PM, VOC, RH&T available
- Long lifespan, 15+ years lifetime

Specifications

Operating Principle	NDIR
Measurement Range	0~5000ppm
CO ₂ Accuracy	±75ppm @ 400~2500ppm available
Resolution	1ppm
Data Interval	1s
Power Supply	24VAC/DC±10%
Analog Output	0~10V, 4~20mA (500Ω max)
Working Conditions	-10°C~50°C, 0~95%RH (non-condensing)
Storage Condition	-20°C~70°C, 0~95%RH (non-condensing)
Response Time (T ₉₀)	≤30s
Average Current	≤60mA
Standby Current	≤20mA
Dimension	W86*H86*D25 (mm)
Installation	Wall-Mounted

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Note 2: ASHRAE standard 62.1_2022 which published on 31st Oct. 2023 states that "CO₂ sensors shall be certified by the manufacturer to be accurate within ±75 ppm at concentrations of 600, 1000 ppm, and 2500 ppm when measured at sea level at 77°F (25 °C)"