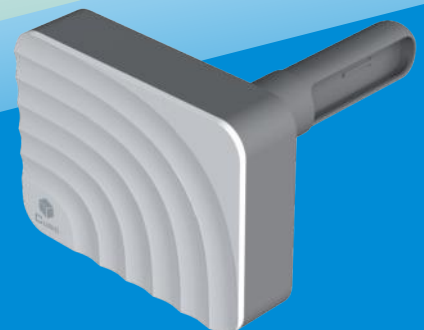


Air Quality Monitor & Transmitter






 EnOcean

HVAC Transmitter
AM6108 Series

Air Quality Monitor
AM7000 Series

Duct-Mounted Transmitter
AM6208D



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)
UI Screen	Touch Screen
Wireless Connectivity	Wi-Fi
Power Supply	DC 12V~DC 24V or 24VAC/DC
Interface	RS485
Dimension	W86*H86*D25 (mm)
Installation	Wall-Mounted (standard single gang switch plate is available)



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+PM_{2.5}+RH&T (HCHO/VOC is optional)
- Traffic light indicates different CO₂ concentration
- Desktop design, USB connection
- OEM/ODM is available (sensor configuration, appearance design, battery supply, PCBA design, software development etc.)

Specifications

Measurement Range	CO ₂ :0~5000ppm; PM _{2.5} : 0~999µg/m ³ Temperature: -10°C~50°C; Relative Humidity: 0~95%RH
PM Accuracy	PM _{2.5} : 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)

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) & California Title 24 standard
- PM, VOC, RH&T available
- Long lifespan, 15+ years lifetime
- Protection grade IP65

Specifications

Operating Principle	NDIR
Measurement Range	0~5000ppm
CO ₂ Accuracy	±(40ppm+3% of reading) @0~50°C, 0~2000ppm
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.



Wall-Mounted CO₂ Transmitter AM6208W

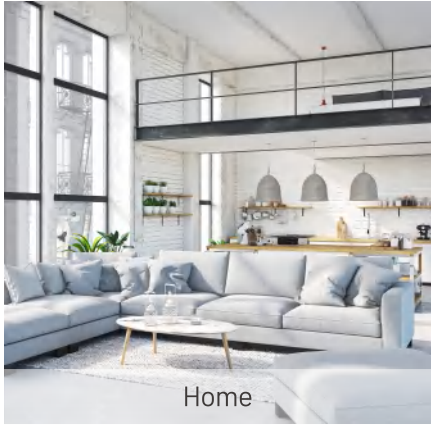
Features

- 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) & California Title 24 standard
- PM, VOC, RH&T available
- Long lifespan, 15+ years lifetime

Specifications

Operating Principle	NDIR
Measurement Range	0~5000ppm
CO ₂ Accuracy	±(40ppm+3% of reading) @0~50°C, 0~2000ppm
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 (standard single gang switch plate is available)

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



Home



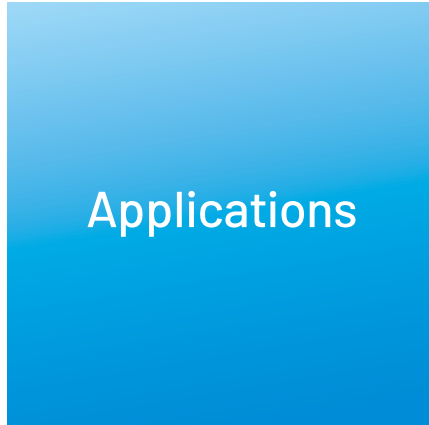
School



Office



Railway Station



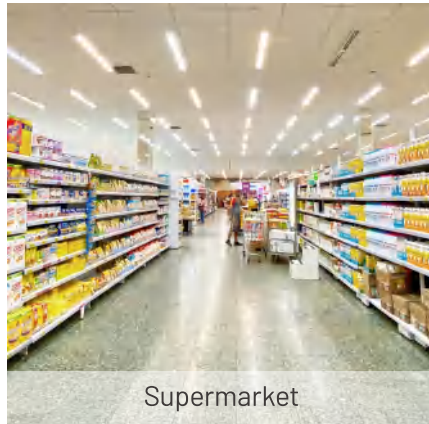
Applications



Building HVAC System



Hospital



Supermarket



Library

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