



AQM 2000

Networked IAQ Monitor

Features

- Industry leading sensing technology
- Measure: Particulate Matter, CO, CO₂, Temperature, %RH & VOC
- Intuitive configuration
- Air Quality Index light ring
- Status LED for sensor diagnostics
- Field Replaceable Sensor Modules
- BACnet communication protocol (IP & MS/TP)
- Web Portal interface for configuration
- Standard Electrical Box Mountable
- Optional surface mount



Circle of Trust

The AQM from Setra is a networked indoor air quality monitor built on a powerful platform to meet the high demands for today's challenging work environments. Setra's AQM Series monitor make it easy and affordable to monitor indoor air quality in a single device. It is perfect for monitoring indoor air quality in banks, healthcare facilities, cleanrooms, office building lobbies and other public spaces.

Intuitive Air Quality Indication

The AQM includes a bright light ring to indicate the status of the local AQI (Air Quality Index), easily indicating the quality of the air to people nearby. The transparency of local AQI builds trust across organizations, building stronger teams and safer return to work plans

Field Selectable Communication

Each Air Quality Monitor comes standard with field selectable BACnet protocol for either IP over ethernet or MS/TP through RS485. These setting are easily configurable through Setra's onboard web portal.

Comply in Real-Time

In the hyper-aware world we live in today, building certifications for indoor air quality are more prevalent than ever. Ensuring spaces are safe for people to live and work are all top of mind for the building occupants & owners. Whether it is WELL, fitwell, or other certification organizations, the AQM not only meets the standard, it exceeds it through real-time monitoring of critical parameters for overall air quality.

For Use in

- Classrooms
- Manufacturing Floor
- Office Spaces
- Hospitals
- Long-Term Care Facilities
- Hospitality

Specifications

General

Communication	BACnet MS/TP & IP
Configuration	DIP Switch
Excitation	24 VDC/AC
Electrical Termination	Terminal Block (14-22 AWG)
Visual Indicator	AQI Light Ring
Diagnostic LED	1 / measurand
Life Expectancy	>5 Years
Update Rate	1 Second

Particle Mass (PM2.5)

Sensor	PM2.5
Binning	PM1, PM2.5, PM4, PM10
Particle Mass Resolution	1 $\mu\text{m}/\text{m}^3$
Minimum Size	0.3 μm
Maximum Size	10 μm
Accuracy	PM1 & PM2.5 - $\pm 10 \mu\text{m}$ PM4 & PM10 - $\pm 25 \mu\text{m}$
Media	Air
Response Time	<6 Seconds

Carbon Monoxide (CO)

Concentration Range	0 to 500 ppm
Resolution	1 ppm
Accuracy	$\pm 15 \text{ ppm}$ or 15% of Rdg. (whichever is greater)
Response Time	<30 Seconds
Media	Air

Temperature ($^{\circ}\text{C}/^{\circ}\text{F}$)

Range	-40 to 70 $^{\circ}\text{C}$
Accuracy	$\pm 0.75^{\circ}\text{C}$ (10 to 40 $^{\circ}\text{C}$)
Response Time	10 Seconds

Mechanical

Size	D = 2.25", W = 7", H = 4.75"
Weight	13 oz
Mounting	3-gang electrical box/Surface
Operating Temp	0 to 50 $^{\circ}\text{C}$
Operating Humidity	10-90% RH

Volatile Organic Compounds (VOC)

Concentration Range	0 to 1,000 ppm
Resolution	< 0.05 ppm of ethanol equivalents or < 10 % of concentration setpoint (whichever is larger)
Accuracy	$\pm 15 \%$ VOC Index
Response Time	<10 Seconds
Media	Air

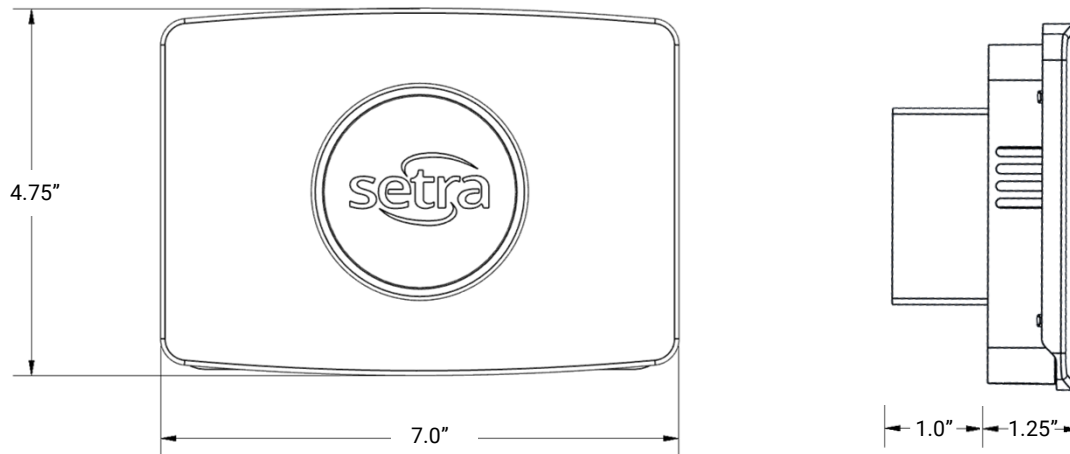
Carbon Dioxide (CO₂)

Concentration Range	0 to 40,000 ppm
Resolution	1 ppm
Accuracy	$\pm 30 \text{ ppm} + 3\%$ (25C, 400-10,000ppm)
Response Time	<20 Seconds
Media	Air

Humidity (%RH)

Range	0 to 100% RH
Accuracy	$\pm 3\%$
Response Time	8 Seconds

Dimensions



Ordering Information

AQM2

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Series	
AQM2	AQM2000

Sensing Parameters	
6	PM2.5, CO ₂ , T, RH CO, VOC
4	PM2.5 CO ₂ , T, RH
3	PM2.5 CO, VOC

Communications	
B2	BACnet MS/TP & IP

Options	
N	None

Ordering example: AQM23B2N for AQM2000, PM2.5 - Particulate Mass Sensor, CO - Carbon Monoxide Sensor, VOC - Volatile Organic Compounds, BACnet MS/TP Communications, No Options