



# AQM 2000

## Networked IAQ Monitor

### Features

- Industry leading sensing technology
- Measure:
  - Particulate Matter, CO<sub>2</sub>, Temperature, %RH, TVOC
- Field replaceable sensor modules
- Configurable Air Quality Index
- Status LED for sensor diagnostics
- Communications:
  - BACnet (IP & MS/TP), Wi-Fi, or API
- Relay output
- Dual ethernet – Daisy chain over ethernet
- Web portal interface for configuration & display
- Standard electrical box or surface mount



### Circle of Trust

### For Use in

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

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 in minutes. 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 arcs to indicate the status of the local AQI (Air Quality Index), easily indicating the quality of the air to people nearby. The monitor also allows user to configure the unit & provide a kiosk view through the advanced web portal. This local indication & kiosk mode, along with a phone application, all help to build trust across organizations, building stronger teams and safer return to work plans

### 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.

### Integrate to Take Action

While it's a giant step forward to measure the air quality in a space, it is simply not enough. The AQM integrates seamlessly in building automation systems to support demand ventilation techniques, or the onboard relay can be used to turn on local air purification systems based on real-time measurements of the environment.

### Field Selectable Communication

Each Air Quality Monitor comes standard with field selectable BACnet protocol for either IP over ethernet or MS/TP through RS485, Wi-Fi, or REST API. These settings are easily configurable through Setra's onboard web portal with no software to download.

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## Networked IAQ Monitor



### Specifications

#### General

Communication	BACnet MS/TP, BACnet/IP, BACnet/IPv6, Wi-Fi & API
Configuration	Web Portal, via Type-C USB
Excitation	24 VDC/AC
Electrical Termination	Terminal Block (14-22 AWG)
Visual Indicator	AQI Light A/R, Kiosk, Phone App
Diagnostic LED	1 / Sensor Module
Life Expectancy	>5 Years
Update Rate	1 Minute
Data Storage	Selectable intervals via web portal

#### Mechanical

Size	Dia = 6.18", Depth 1.61"
Weight	13 oz
Mounting	Single gang electrical box / Surface
Operating Temp	0 to 50°C
Operating Humidity	10-90% RH
Relay	SPDT NO/NC Relay Contact rating 2.0A @ 30 VDC

#### Particle Mass (PM)

Sensor	PM2.5
Binning	(Mass): PM 1, 2.5, 4, 10 (Count): PM 0.5, 1, 2.5, 4, 10
Particle Mass Resolution	1 µm/m <sup>3</sup>
Minimum Size	0.3 µm
Maximum Size	10 µm
Accuracy	PM1 & PM2.5 - ±10 µm PM4 & PM10 - ±25 µm
Media	Air
Response Time	<8 Seconds

#### Temperature (°C/°F)

Range	-40 to 70°C
Accuracy	±0.75°C (10 to 40 °C)
Response Time	10 Seconds

#### Humidity (RH)

Range	0 to 100% RH
Accuracy	±3%
Response Time	8 Seconds

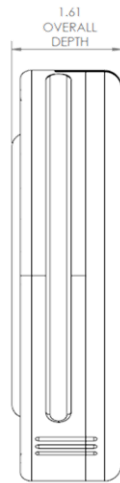
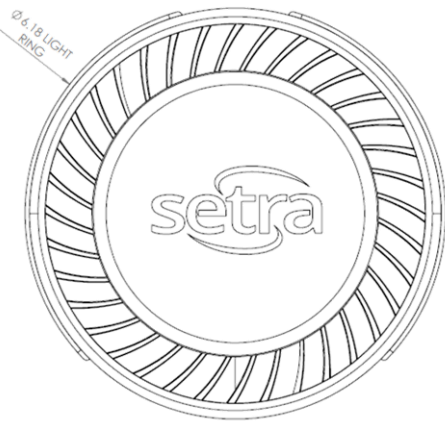
#### Total Volatile Organic Compounds (VOC)

Concentration Range	0 to 1,000 ppm
Resolution	1 ppb
Accuracy	±15 %
Response Time	<10 Seconds
Media	Air

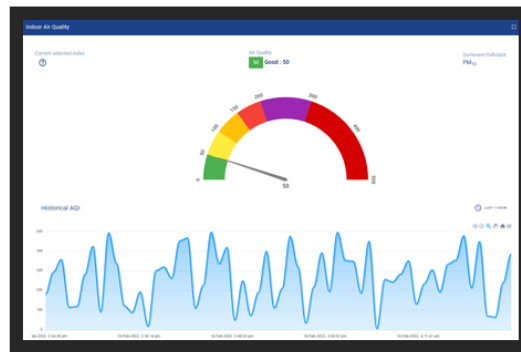
#### Carbon Dioxide (CO<sub>2</sub>)

Concentration Range	0 to 40,000 ppm
Resolution	1 ppm
Accuracy	±30 ppm +3% (25°C, 400-10,000ppm)
Response Time	<20 Seconds
Media	Air

### Dimensions



### Web Portal



### Phone App



### Ordering Information



[1]

Series	
AQM2	AQM 2000 IAQ Monitor



[2]

Sensing Parameters	
1	PM
2	PM & TVOC
3	CO <sub>2</sub> , T, & RH
5	PM, TVOC CO <sub>2</sub> , T, RH



[3]

Options	
NN	None

\*Contents of this data sheet are subject to change without notice

Ordering example: AQM25NN for AQM2000, PM2.5 - Particulate Mass Sensor, TVOC – Total Volatile Organic Compounds, CO<sub>2</sub> – Carbon Dioxide, T – Temperature, RH - % Relative Humidity, No Options