

DESCRIPTION

The Sensor Pack monitors multiple air quality parameters across 16 zones, independently reporting on each. Each sensor pack contains sensors for air velocity, temperature, humidity, and pressure. With a reference to clean air, it cancels sensor drift, ensuring more accurate and consistent data compared to standard wall-mounted solutions. All required sensors for a specific application are pre-installed in one sensor pack, making calibration effortless through a tool-free replacement process.

SPECIFICATIONS



Dimensions (in)	Weight (lbs)	Voltage (V)	Max Current (A)	Operating Temp. (°C)	Connections
6.3 x 3.5 x 3	1.5	5	0.3	-20-50	(2) 0.25" Push-to-Connect (1) M8 Electrical Connection

Sensor	Technology	Range	Accuracy	Response ¹	Recovery ¹	Calibration ²
CO	ElectroChemical	0-1,000 ppm	± 5% (FS)	30s	120s	2 year(s)
CO (Lab)	ElectroChemical	0-10 ppm	± 5% (FS)	30s	120s	2 year(s)
CO ₂	NDIR	0-5,000 ppm	± 30 ppm ± 3%	22s	22s	5 year(s)
CH ₂ O	ElectroChemical	0.03-2 ppm	± 10%	40s	60s	2 year(s)
DP ²	CMOS	-50-60°C	± 1.5°C	10s	10s	See Temp. & RH Specs
NH ₃	ElectroChemical	0-100 ppm	± 5% (FS)	50s	50s	1 year(s)
NO ₂	ElectroChemical	0-2 ppm	± 5% (FS)	50s	120s	2 year(s)
O ₂	Fluorescent Quenching	0-25% O ₂	± 0.7% O ₂	30s	30s	2 year(s)
O ₃	ElectroChemical	0-5 ppm	± 5% (FS)	50s	60s	1 year(s)
PM	Laser	0-6,000 µg/m ³	± 10%	20s	20s	2 year(s)
PM (Cleanroom)	Laser	0-6,000 µg/m ³	± 10%	20s	20s	6 month(s)
RH ²	CMOS	0-100%	± 1.0% typ, ± 2.0% max	10s	10s	5 year(s)
R32/454B	NDIR	100-144,000 ppm	> ± 6%, 600 ppm	30s	30s	2 year(s)
R410A	NDIR	200-144,000 ppm	> ± 6%, 600 ppm	30s	30s	2 year(s)
Temp ³ .	CMOS	0-60°C	± 0.1°C	10s	10s	5 year(s)
TVOC (ECh)	ElectroChemical	0-10 ppm	± 5% (FS)	20s	80s	1 year(s)
TVOC (PID)	Photoionization	0-3 ppm	± 0.1 ppm	12s	12s	6 month(s)
TVOCi	CMOS/MOx	0-500	-	24hrs	-	5 year(s)

1. T90: The time needed for the sensor to achieve 90% of its final measurement

2. Suggested calibration, intervals may vary depending on the application and the specific environmental conditions in which it is deployed

3. Measures air sample temp. and RH to calculate zone dewpoint. Dewpoint can be used along with zone temp. from the BMS to calculate zone RH.

ORDERING GUIDE

Selection	Quantity ¹	Part #	Manufacturer
<input type="checkbox"/>	QTY ____	AXSP*	Antrum

1. Two sensor packs required for a 32-zone panel

Selection	Symbol	Name
<input type="checkbox"/>	CO	Carbon Monoxide
<input type="checkbox"/>	CO (Lab)	
<input type="checkbox"/>	CO₂	Carbon Dioxide
<input type="checkbox"/>	CH₂O	Formaldehyde
	DP¹	Dew Point
<input type="checkbox"/>	NH₃	Ammonia
<input type="checkbox"/>	NO₂	Nitrogen Dioxide
<input type="checkbox"/>	O₂	Oxygen
<input type="checkbox"/>	O₃	Ozone
<input type="checkbox"/>	PM	Particulate Matter
<input type="checkbox"/>	PM (Cleanroom)	
	RH²	Relative Humidity
<input type="checkbox"/>	R32	Refrigerant
<input type="checkbox"/>	R454B	
<input type="checkbox"/>	R410A	
<input type="checkbox"/>	TVOCi	Total Volatile Organic Compounds
<input type="checkbox"/>	TVOC (EChem)	
<input type="checkbox"/>	TVOC (PID)	

1. Available on every sensor pack

2. Requires space temperature from provided BACnet Device/Object ID or written to {space}_temp