4-In-One Air Environment Sensor (AQX4)

The 4-in-one Enviornment Sensor combines measurements of temperature, humidity, static air pressure and air quality index in one compact unit.

Ideal for use in office spaces and industrial areas, as well as data centers, where you wish to monitor the quality of the air within the space. The Air Quality Index is a "score of air quality". Focusing on the measurement of Volatile Organic Compounds (VOC's) and Volatile Sulphur Compounds (VSC's), theze gases are produced by various processes, exhaust gases, and off gasing of chemicals and plastics.

The sensor monitors the level of these gases within the environment and scores the air quality. Graph this date over time to monitor increasing and decreasing air quality.

Create alerts when air quality index is elevated, prompting the opening of windows or doors to allow fresh air into the facility.

Air Pollution (Gas Sensor)	
Output Metric	Airpollution Level (%)
Measurement Range	0% TO 100%
Pollution Mapping Logic	
Clean Air (0%)	Gas Resistance ≥ 50 kΩ
Normal to Warning (0-65%)	50k Ω > Resistance > 18k Ω
Warning to Critical (65-85%)	18k Ω ≥ Resistance > 5k Ω
Critical to Max (85-100%)	5k Ω ≥ Resistance > 1.5k Ω
Max Pollution (100%)	Gas Resistance ≤ 1.5k Ω
Air Pressure	
Measurement Range	300 to 1100 hPa
Absolute Accuracy	±0.5 hPa
Relative Accuracy	±0.05 hPa
Temperature	
Measurement Range	-40°C to +85°C
Measurement Resolution	0.1°C Increments (0.2°F increments)
Accuracy	±0.5°C (at 25°C)
Humidity	
Measurement Range	0 to 100% RH
Accuracy	±3% RH (typical)
Measurement Resolution	1% RH increments

Temperature Sensor

25.24 mm

85 cm

AQX4

16.64 mm

15.60 mm