

# Sensor Suite Sensors

## Overview



## Sensor Suite Sensors: Overview




Sensor Suite Sensors enable the AirCuity system to cost effectively monitor a breadth of environmental parameters throughout a facility. Located within a Sensor Suite, the sensors evaluate an array of environmental conditions using a shared sensing architecture. In lieu of locating individual discrete sensors in each space, the AirCuity system gathers air samples from the spaces and multiplexes them across the AirCuity network back to the Sensor Suite for analysis.

AirCuity's centralized sensor platform affords a more robust, cost effective approach to monitoring many parameters at many locations. A virtual sensor function is created as if the sensors were actually located in the environment being monitored. A shared platform additionally negates sensor errors through a true differential measurement (comparing outside to inside conditions via a common shared sensor); while minimizing calibration and maintenance costs.

Sensor Suite Sensors have unique performance specifications and product features to meet specific applications, such as demand controlled ventilation, Differential Energy™ economizer control; or for monitoring only purposes. The ability to sense a variety of conditions, combined with a specific level of sensor performance, optimizes an application's potential energy savings, control or monitoring capacity.

AirCuity's Sensor Assurance program assures that the sensors will continue to perform today, tomorrow, and in to the future. AirCuity's Calibration Laboratory services routinely refresh all sensors within the Sensor Suite with factory calibrated and serviced units for unsurpassed performance and piece of mind.

## Features

-  Sensor Suite Sensors are tailored to match specific monitoring and control needs.
-  Calibration and maintenance of sensors is automatically and routinely scheduled through AirCuity's Calibration Laboratory and Sensor Assurance program.
-  Flexible architecture for future sensor enhancements and technology updates.

## Ordering Guide

Refer to the individual Sensor Suite Sensors data sheets for ordering and specification details. Sensors are available to monitor and/or control:

- Carbon Dioxide
- Dewpoint Temperature
  - Relative Humidity
  - Enthalpy
- Airborne Particulates
- Total Volatile Organic Compounds
- Carbon Monoxide

## Regulatory Compliance

