know your air

Improve Indoor Air Quality.
Optimize ventilation. Breathe easy.

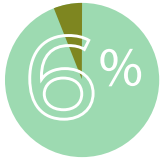
antrum™

INTRODUCING antrumX™

At Antrum™, we understand that healthy buildings make for healthy people. Now, more than ever, building owners want to ensure Indoor Air Quality (IAQ). AntrumX will give you all the tools you need to make data-driven decisions that improve your building's IAQ.

IAQ Monitoring: CO2, TVOC, PM2.5, PM10, RH

Single Point of Service: Up to 32 rooms from a single location.



Scalable: 6% of the sensors required in traditional systems. One sensor module for every 16 rooms.

Sustainable: Zero moving parts means less maintenance. Sustainable for the life of the building.

AntrumEYE™: Store, trend, analyze and report.

a centralized approach

AntrumX™ continuously monitors and reports Indoor Air Quality on up to 32 rooms from a single location, eliminating the need for expensive maintenance and calibration procedures.

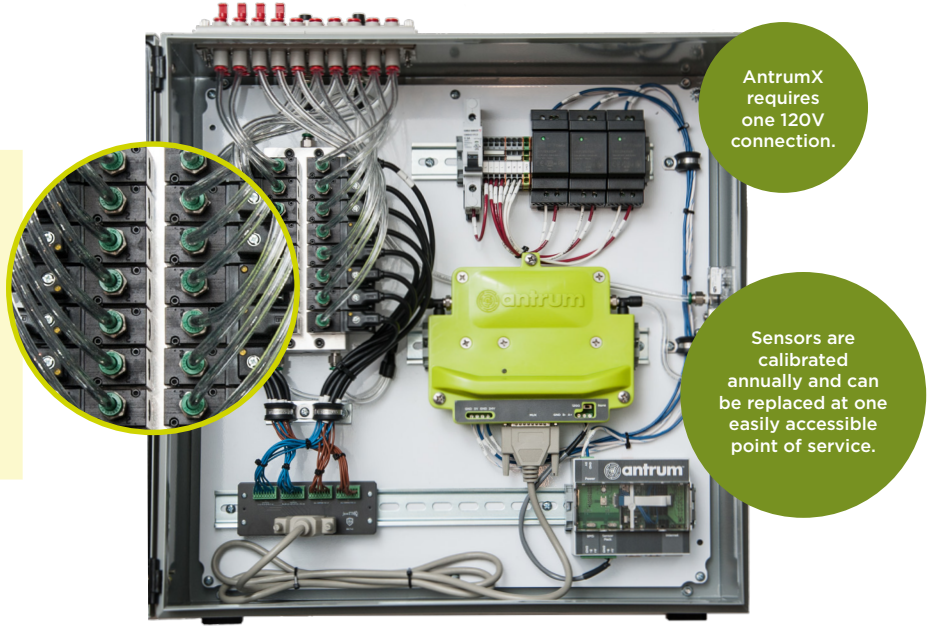
take a closer look

1

All the room-occupant sees is AntrumX's discreet faceplate. Behind the scenes, quarter inch tubing transports air samples from the monitored space to the Sensor Pack.

2

AntrumX's patented Air Accelerator uses building differential pressure to create a vacuum. Air is drawn from the faceplate in 32 unique spaces to the monitoring panel located in the mechanical closet.



AntrumX requires one 120V connection.

Sensors are calibrated annually and can be replaced at one easily accessible point of service.

3

Using three-way solenoids, air from the rooms is exhausted until it's time to be analyzed by the Sensor Pack. AntrumX sample time/room is user defined, but defaults to one room/minute.

AntrumX communicates IAQ data to the BMS over ANY protocol (BACnet, Modbus, N2, etc.).

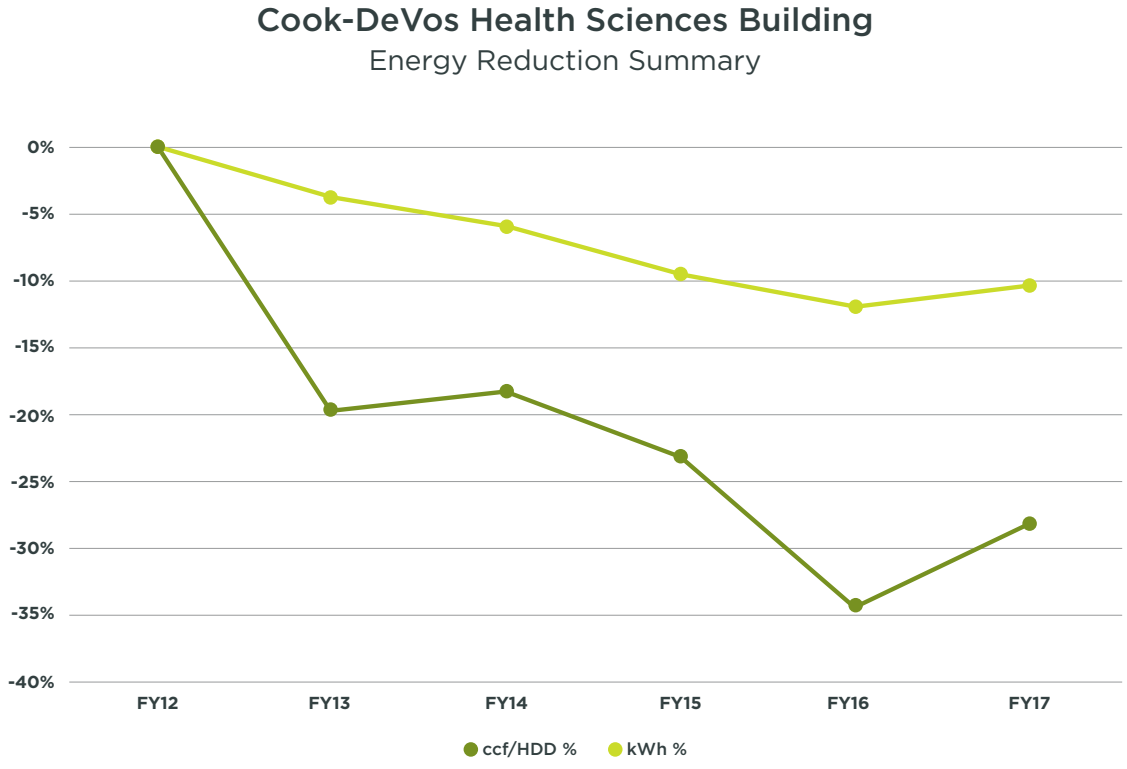
4

AntrumX communicates IAQ data to the cloud over a secure network and generates detailed reports. AntrumEYE provides a proactive deep-dive into your building's IAQ, sending push alerts and monthly reports available on a mobile platform.

case study

Since 2011, Grand Valley State University (GVSU) has been developing an air quality monitoring system — now known as AntrumX — that utilizes multipoint air sampling to determine a building's indoor air quality in real-time, allowing for optimal ventilation.

AntrumX's patented technology (US 10,563,886, and 2 applications) is a paradigm shift in air quality monitoring—sensors located in a centralized panel continuously receiving air samples from each room. The total system is comprised of an air sample return unit, an airflow controller, and at least one commercially viable sensor (CO2, TVOC and/or particle).



GVSU Cook-DeVos Health Sciences Building Energy Savings (implementation of 233 rooms, 5 stories, 2012-2017)

^50%
savings on installation costs

0
moving parts, minimizing maintenance

10 – 30%
reduction in building energy usage

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