

# CENTRAL AIR MONITOR

In-duct monitor integrates with forced air HVAC systems to track indoor air quality.



Individually calibrated for reliable performance



WiFi-connected with secure cloud storage



Simple install process, with in-app guide



Rich software ecosystem to interact with the data (mobile & web apps)



Solid state design reduces maintenance requirements



Exclusive to the Pro Channel





## TECH SPECS | HAVEN™ CENTRAL AIR MONITOR

### REQUIREMENTS

#### INSTALLATION

Suitable for round and rectangular ducts

Compatible with rigid, flex & ductboard materials

Min. 24" away from duct bends

Probe must be perpendicular to airflow

Angle of device relative to airflow needs to be < 10°

Mobile device running the HAVEN IAQ app (iOS & Android) to connect device to WiFi network

#### CONNECTIVITY

Provisioning: Bluetooth LE

Transmission: 2.4GHz b/g/n WiFi

Security: WEP, WPA/WPA2

Communication interval: 1x every 5 minutes

#### POWER\*

Wired: 24V AC; 14–22AWG

Power consumption: 2W

#### OPERATING CONDITIONS

[For indoor use only]

Temperature: 23–122°F / -5–50°C

Humidity: 0–95% non-condensing

### HAVEN INTEGRATIONS

#### CENTRAL AIR CONTROLLER

Works with the HAVEN Central Air Controller to automate HVAC equipment to improve indoor air quality

### DETECTION

#### PARTICLES

Laser light scattering technology

Reporting parameter: PM2.5 mass concentration

Range: 0µg/m³ to 1000µg/m³

Resolution: 0.1µg/m³

Precision: > 0.94 (\*R2 compared to research-grade instrumentation)

Repeatability: > 90%

#### CHEMICALS (tVOC)

Range: 0–1200ppb

Resolution: 1ppb

Units: parts per billion and Equivalent Mass Concentration (µg/m³)

Precision: 0.99 (\*R2 compared to research-grade instrumentation)

Repeatability: > 90 %

#### TEMPERATURE

Range: 32–122°F / 0–50°C

Precision: ± 3.6°F / 2°C

#### RELATIVE HUMIDITY

Range: 5–95%

Precision: ±3%

\* Power Supply not included

### INTERACTIVITY

#### LED

LED indicates its current state (e.g. connecting to WiFi, sending telemetry, WiFi connection issue)

#### HAVEN IAQ APP

Available for iOS and android

Allows homeowners to monitor their air quality data

Notifies user when there are filtration and ventilation events that cross set thresholds

### ABOUT

#### MATERIAL

Glossy PC ABS plastic housing; copper stamped emboss and laser etched artwork

#### MOUNTING PLATE

Dims: 2.6" x 3.3" x 0.6"

Weight: 26g / 0.9oz

#### PROBE

Dims: 8.6" x 1.2" x 0.9"

Weight: 71 g / 2.45oz

#### ADDITIONAL INFO

Availability: Pro channel

Warranty: 1 year

Lifetime: up to 10 years

**Interested in HAVEN?**  
Get in touch.



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