

Central Air Monitor

In-duct monitor integrates with any HVAC system to track indoor air quality



- Individually calibrated for reliable performance
- WiFi-connected with secure cloud storage
- Can be sold as part of service contracts
 - Builds trust with occupants*
 - Creates long term customers*
- Rich software ecosystem to interact with the data (mobile & web apps)
- Fanless 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 $< 10^\circ$
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

IFTTT

Connect HAVEN IAQ to your smart home through IFTTT, and create automations with over 600 smart home products and services

DETECTION

PARTICLES

Laser light scattering technology
Reporting parameter: PM2.5 mass concentration
Range: 0 μ g/m³ to 1000 μ g/m³
Resolution: 0.1 μ g/m³
Precision: > 0.94 (*R2 compared to research-grade instrumentation)
Repeatability: $> 90\%$

CHEMICALS (rVOC)

Range: 0–1200ppb
Resolution: 1ppb
Units: parts per billion and Equivalent Mass Concentration (μ g/m³)
Precision: 0.99 (*R2 compared to research-grade instrumentation)
Repeatability: $> 90\%$

TEMPERATURE

Range: 32–122°F / 0–50°C
Precision: $\pm 3.6^\circ$ F / 2°C

RELATIVE HUMIDITY

Range: 5–95%
Precision: $\pm 3\%$

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



prosupport@haveniaq.com



1-833-4-IAQ-PRO
(or 1-833-442-7776)



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