AIRTHINGS

View Plus

Complete indoor air quality monitor

DOWNLOADS

⤓ DIGITAL USER MANUAL

The most advanced air quality tech. 9 out of 10 people in the world breathe unsafe air according to WHO guidelines. With View Plus, you can keep your family safe from air pollutants: radon, particulate matter (PM), carbon dioxide (CO_2), humidity, temperature, airborne chemicals (VOCs) and air pressure. When there is so much that is out of your control–pollution, asthma, allergies, wildfire, virus–you have more control than you think when it comes to indoor air quality with View Plus. Airthings View Plus is battery operated (or powered by USB), wireless and WiFi connected, includes a customizable display, app (iOS/Android) and online dashboard with full data and reporting. When you know what's in the air you breathe, small changes make a big difference.

HIGHLIGHTS

CALM TECH DISPLAY

Customizable display and wave function to view pollutants with simple color coding

WIRELESS

WiFi connected and battery operated (battery lifetime up to 2 years) or plug in with USB

BUILD YOUR AIR QUALITY SYSTEM

Use as a Hub to bring other Airthings monitors online for access to data anytime, anywhere

APP / DASHBOARD

App and online dashboard with graphs, notifications and insights

SMART HOME INTEGRATIONS

Integrate with your smart home using IFTTT, Google Assistant and Amazon Alexa

EASY TO USE

Intuitive design with batteries included for quick and simple setup

PRODUCT FEATURES

SENSORS

Particulate matter (PM_1* & $PM_{2.5}$), radon, CO_2, VOC, temperature, humidity, air pressure

DISPLAY

2.9 " 296128 pixels ePaper

Visual indicator: Color coded red/yellow/green glow indicator

LONG BATTERY LIFE

WiFi: up to 2 years (depends on sensor interval and WiFi router)

Optional operation on USB (runs from batteries if removed)

MOUNTING

Supports wall mounting or placement on flat surface

Optimum product placement is breathing height of (110-170cm / 40-70in above floor). Only suitable for mounting at heights below 200 cm / 6.5 ft

Double-sided tape for wall mount included in package

Alternatively use 3 screws of type countersunk M4 (not included)

APP, DASHBOARD AND CONNECTIVITY

Free mobile app for iOS and Android with notifications

Web dashboard with sensor data

802.11 b/g/n (2.4 GHz) WiFi, Airthings SmartLink & Bluetooth Low Energy

Wireless connection over WiFi

SmartLink when used as a Hub for other Airthings devices

Bluetooth for onboarding and daily use configuration only

Hub functionality is enabled when connected with WiFi and USB cable is plugged into device

ADDITIONAL SPECIFICATIONS

RECOMMENDED OPERATING CONDITIONS

Temperature 4 to 40 °C / 39 to 104 °F, Humidity 0 % to 85 % (non condensing). Prolonged exposure to very dry or humid conditions may affect the visual appearance of the display. Exposure to very humid conditions can degrade the radon sensor.

PHYSICAL SPECIFICATIONS

Weight: 360 g / 12.7 oz (with batteries, without cable)

Dimensions: 17 x 9 x 3.3 cm / 6.7 x 3.5 x 1.3 in

Power: 6 AA batteries or USB

PRIVACY: Noise Indicator used for measuring sound pressure level only, no privacy concerns (Noise is only enabled for Airthings for Business)

* Only visible in the Airthings Dashboard

RADON · PM · CO_2 · HUMIDITY · TEMP · VOC · PRESSURE

PACKAGE CONTENT

Air Quality Monitor

6 AA batteries

USB cable

Quick Start and Regulatory Booklet

Double-sided tape

REQUIREMENTS

One of the 3 latest major versions of iOS or Android, supporting Bluetooth 4.2 or later

PACKAGE

WEIGHT: 511 g / 18 oz

DIMENSION: 200 x 115 x 60 mm / 7.9 x 4.5 x 2.4 in

PRODUCT CODES

EAN: 7090031109608

UPC: 854232008224

SKU: 960

MODEL: 2960

Device serial number: 2960xxxxxx

INTEGRATIONS

Works with IFTTT   amazon alexa   works with the Google Assistant

SENSOR SPECIFICATIONS

TEMPERATURE / HUMIDITY / PRESSURE

Technology: solid state sensor

Sensor interval 5 min (2.5 min with USB cable connected)

Temperature Accuracy: ±0.5 °C / ±1 °F

Humidity Accuracy: ±3 %RH

Pressure Accuracy: ±0.6 mBar/hPa

RADON

Radon sampling:
Passive diffusion chamber

Detection method: Alpha spectrometry

Sensor interval 60 min (fixed)

Measurement range: 0 – 20,000 Bq/m³ / 0 – 500 pCi/L

Typical accuracy after more than 30 days of continuous measuring at 200 Bq/m³ / 5.4 pCi/L:
7 day average: ±10 %,
2 month average: ±5 %

PARTICULATE MATTER

Technology: laser scattering based optical particle counter

Measurement interval is configurable to 10 min or 60 min (2.5 min with USB cable connected)

Particle size detection range: 300 nm to 10 µm

Measurement Range ($PM_{2.5}$):
0 ~ 500 µg/m³

Measurement Accuracy ($PM_{2.5}$):
below 150 µg/m³: ± (5 µg/m³ + 15%),
above 150 µg/m³: ± (5 µg/m³ + 20%)

Calibrated with a GRIMM reference instrument using cigarette smoke source

Classified as Class 1 Laser per IEC60825-1 Ed. 3. This device complies with 21 CFR 1040.10 and 1040.11, except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019. Caution: These devices contain one or more lasers. Usage other than as described in the user guide, repair, or disassembly may cause damage, which could result in hazardous exposure to infrared laser emissions that are not visible. This device should be serviced by Airthings or an authorized service provider.

VOC

Technology: Metal-oxide based gas sensor

Measurement interval 5 min (fixed)

Settling Time: ~7 days

Measurement range: 0 - 10,000 ppb

Self-calibrated using an automatic baseline algorithm that updates continuously based on the cleanest air the sensor is exposed to

For optimum performance, the sensor should be exposed to clean air once a week or more

CO_2

NDIR Sensor (Non-Dispersive Infra-Red):

Measurement interval 5 min (2.5 min with USB cable connected)

Measurement range 400 – 5000 ppm

Accuracy ±50 ppm ±3 %RH within 10 – 35 °C / 50 - 95 °F and 0 – 80%RH, after initial calibration time of 7 days Self-calibrated using an automatic baseline algorithm that updates once a week

SENSOR DATA UPDATE INTERVAL

Sensor data in app (iOS/Android) and online dashboard update interval depends on configuration:

WiFi: same as PM measurement interval (10 min or 60 min when battery operated, 2.5 min with USB cable connected)

RADIO SPECIFICATIONS

BLUETOOTH LOW ENERGY

Output power: <5 mW

Frequency Range (MHz): 2400.0 - 2483.5

AIRTHINGS SMARTLINK

Output power: <25 mW

Frequency range (MHz):
in Europe 868 - 870
in North America 902-928

in Singapore 920-923
in Hong Kong 920-923
in Australia 923-928
in India 865-870

802.11 b/g/n (2.4 GHz) WiFi

Output power: <50 mW

Frequency Range (MHz): 2400.0 - 2483.5

WANT TO KNOW MORE?

Detailed information and FAQs on our sensors can be found here:

help.airthings.com/en/collections/2683690-understanding-radon-and-iaq

RADON   PM   CO₂   HUMIDITY   TEMP   VOC   PRESSURE