View Pollution

Indoor air pollution monitor

DOWNLOADS

⤓ DIGITAL USER MANUAL

More and more people live in polluted cities, asthma symptoms and cases are rising and wildfire seasons are lengthening. Particulate matter (PM) is the result of many global changes, and the smaller the particle, the deeper it can get into your body. How much PM is in your home? Understand you and your family's exposure to particulate matter at home with View Pollution. All View series products are battery operated or use USB plug, wireless and WiFi-connected, works as a hub, includes a customizable display, app (iOS/Android) and online dashboard with full data and reporting.

HIGHLIGHTS

PROTECT YOUR HEALTH
For people living in cities, wildfire areas, or have asthma or allergy issues

BUILD YOUR AIR QUALITY SYSTEM
When you plug in with the USB cable, View Pollution becomes a Hub, bringing other Airthings devices online.

MEASURE WHAT MATTERS
Dedicated particulate monitoring as well as humidity and temperature

WIRELESS
View your data anytime, anywhere, with this wireless and WiFi connected device with up to 2 year battery lifetime

APP / DASHBOARD
App and online dashboard with graphs, notifications and insights

EASY TO USE
Customizable display or wave in front to view sensor levels, with simple color coding

PRODUCT FEATURES

SENSORS
Particulate matter (PM_1* & $PM_{2.5}$), Humidity, Temperature

DISPLAY
2.9" 296128 pixels ePaper

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

LONG BATTERY LIFE
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 (110 - 170cm above floor). Mounting height should not exceed 200cm / 6.5ft

Double-sided tape for wall mount included in package

Alternatively use 3 screws: countersunk M4 (not included)

APP, DASHBOARD AND CONNECTIVITY
Free mobile app for iOS and Android with notifications

Web dashboard with sensor data

802.11b/g/n (2.4GHz) Wi-Fi & Bluetooth Low Energy. Airthings SmartLink when operating as a hub

Wireless connection over WiFi

SmartLink when used as a Hub for other Airthings devices

Bluetooth for on boarding and daily use configuration

Hub functionality is enabled when connected with Wi-Fi 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.

PHYSICAL SPECIFICATIONS
Weight: 336g / 11.85oz (with batteries, without cable)

Dimensions: 17 cm / 6.7in (length) x 9 cm / 3.5in (height) x 3.3 cm / 1.3in (width)

Power: 6 AA batteries or USB

* Only visible in the Airthings Dashboard

PM   HUMIDITY   TEMP

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: 490 g / 17.3 oz

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

PRODUCT CODES

EAN: 709003110 980 6

UPC: 854232008 24 8

SKU: 980

MODEL: 2980

Device serial number: 2980xxxxxx

INTEGRATIONS

Works with IFTTT   amazon alexa   works with the Google Assistant

SENSOR SPECIFICATIONS

TEMPERATURE / HUMIDITY

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 %

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 um

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

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

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.

PM   HUMIDITY   TEMP