

Airthings Space Plus

Equipped with a radon sensor for the Airthings for Business ecosystem.



MONITORS



RADON



CO₂



VOC



PRESSURE



HUMIDITY



TEMP



LIGHT

↳ VIRTUAL SENSORS: ↳



OCCUPANCY



VIRUS RISK



AIR CHANGES

- Encrypted data sent via cellular-powered Space Hub to Airthings cloud and dashboard
- Transmits data securely via long-range SmartLink technology eliminating Wi-fi risk
- Secure and encrypted end-to-end solution
- Scalable platform seamlessly integrates multiple Airthings for Business solutions
- Simple and intuitive installation requiring no tools

Airthings Space Plus



OVERVIEW

The Space Plus gives full visibility into radon, carbon dioxide (CO₂), airborne chemicals and odors (VOCs), humidity, temperature, air pressure, and light, which are seven key factors of IAQ. It's the ideal solution for employers, facility managers and schools.

PACKAGE CONTENTS

Part Number: SPACEPLUS

Package Dimension: 6.02 x 6.02 x 1.81 in
(153 x 153 x 46 mm)

Weight: 12.2 oz (346 g)

Package includes device and accessories:

- Airthings Space Plus
- 2 x 1.5V Lithium AA batteries
- Double-sided tape
- Optional theft protection lid

KEY FEATURES

Sensors: Radon, CO₂, VOCs, Temperature, Relative Humidity, Air Pressure, and Light

Virtual Sensors: Virus Risk, Occupancy, Air Changes, Consult web dashboard for latest

Battery Life: 1.5 years on Alkaline (2 years on lithium)

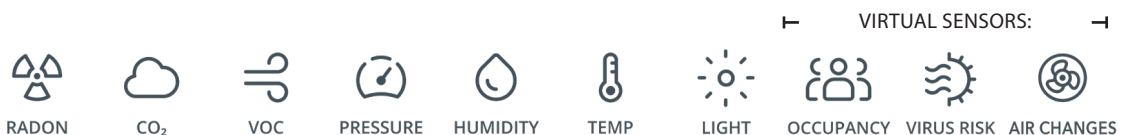
Firmware updates: Automatically downloaded and installed over the air (OTA) via the Space Hub

**Space Hub is needed to post sensor values to cloud. Annual subscription fee for device is required.*

Mounting

- Supports wall mounting or placement on table
- Optimum product placement is breathing height of 3-6 feet (110 - 170 cm) above floor.
- Double-sided tape for mounting included
- Only suitable for mounting at heights below 6.56 ft (200 cm)
- Alternatively use 1 screw of type countersunk M4 (not included)

MONITORS 7 CONDITIONS WITH 3 VIRTUAL SENSORS



Airthings Space Plus

PRODUCT SPECIFICATIONS

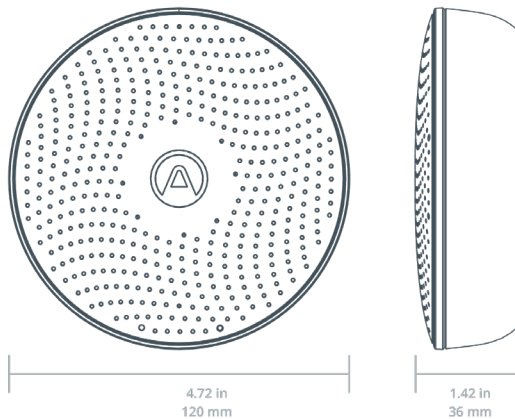
Serial Number: 293xxxxxxx

Dimensions: 4.72 x 1.42 in (120 x 36 mm)

Weight: 7.72 oz (219 g) with batteries

Operational Environment (Temperature, Relative Humidity): 39 F to 104 F (4 C to 40 C) / 10% - 80% (non-condensing). Operation in temperatures < 32 F (0 C) or relative humidity > 90% can cause permanent damage to the products

SmartLink frequencies: 865-868 / 902-928 MHz depending on region



SENSOR SPECS

CO₂ SENSOR	<ul style="list-style-type: none">• NDIR Sensor (Non-Dispersive Infra-Red): Measurement range 400–5000 ppm• Resolution: 1 ppm• Accuracy: ± 30 ppm ± 3 % within 59 to 95 °F (15 – 35 °C) and 10 – 80 % RH can be reached after multiple settling cycles on locations with natural indoor CO₂ fluctuations• Settling time: ~ 7 days
RELATIVE HUMIDITY SENSOR	<ul style="list-style-type: none">• Technology: Solid state sensor• Resolution: 0.5 %RH• Accuracy: ± 3 %RH at 77 °F (25 °C) within 20-80 %RH• Sensor sampling interval: 5 min, except radon 60 min
TEMPERATURE SENSOR	<ul style="list-style-type: none">• Technology: Solid state sensor• Resolution: 0.1 °F (0.1 °C)• Accuracy: ± 0.9 °F at 77 °F / ± 1.8 °F from 32- 140°F (± 0.5 °C at 25 °C / ± 1 °C from 0-60 °C)
PRESSURE SENSOR	<ul style="list-style-type: none">• Technology: Solid state sensor• Resolution: 0.02 mBar/hPA• Absolute accuracy: ± 0.6 mBar/hPA• Relative accuracy: ± 0.12 mBar/hPA• Measurement range: 500-1100 mBar/hPA
LIGHT SENSOR	<ul style="list-style-type: none">• Measurement range: 0 - 100 %
VIRUS RISK	<ul style="list-style-type: none">• Virtual sensor
RADON SENSOR	<ul style="list-style-type: none">• Passive diffusion chamber• Detection method: Alpha spectrometry• Measurement range: 0 – 20,000 Bq/m³ (0 - 5,405 pCi/L)• Long term measurement accuracy at 200 Bq/m³ (5.4 pCi/L): After 7 days ± 10 %, after 2 months ± 5 %
VOC SENSOR	<ul style="list-style-type: none">• Measurement range: 0-10 000 ppb• Resolution: 1 ppb• Settling time: ~ 7 days• Accuracy: 20 $\mu\text{g}/\text{m}^3$ + 20% of reading at values between 150 and 2000 $\mu\text{g}/\text{m}^3$
VIRTUAL SENSORS	<ul style="list-style-type: none">• Occupancy• Virus Risk• Air Changes

Sensor sampling interval: 5 min, except radon 60 min.