

# Space CO<sub>2</sub> Mini



Space CO<sub>2</sub> Mini is the discreet answer to increasing focus and regulations on CO<sub>2</sub> monitoring in schools, public buildings and offices. Offered in a 4-pack, Space CO<sub>2</sub> Mini helps cover more spaces in your building, ensuring optimal ventilation and energy usage. Wireless, with up to 10 years or more battery lifetime.



## PACKAGE CONTENT

Airthings Space CO<sub>2</sub> Mini  
2 x Lithium AA batteries  
Double-sided tape  
Battery lid with theft protection

## PACKAGE

4 devices included in package  
Dimension: 7.9 x 4.5 x 2.4 in  
(200 x 115 x 60 mm)  
Weight: 148 oz (419 g)

## PRODUCT CODES

EU, India and United Arabic Emirates (UAE)  
311xxxxxxx - serial number  
4-pack EU/UAE SKU 13110, EAN  
709003110 0117 UPC NA \*  
North America and ROW 312xxxxxxx -  
serial number  
4-pack North America SKU 13120, EAN  
709003110 0124 UPC 854232008552 \*

## MOUNTING

Optimum product placement is on wall  
4 - 6 ft (1.2 m - 1.8 m) above floor.  
Double sided tape for mounting included.  
Alternatively use two fully threaded  
countersunk screws 3.5 x 25 mm or longer  
(not included).  
For masonry/concrete add expansion  
plug. For plaster walls, special plugs should  
be used.  
If needed, the product can also be placed  
> 6 ft (1.8 m) above floor, but in this case  
mounting with screws is mandatory.

## REQUIREMENTS

Dimensions: 3.17 x 3.17 x 1.04 in  
(80.5 x 80.5 x 26.6 mm)  
Weight: ~2.9 oz (~84 g) with batteries  
Space Hub is needed to post sensor values  
to cloud.

\* Both SKU 13110 and 13120 will be replaced with new  
common SKUs that cover all countries / regions to be  
supported by the models 311 and 312 respectively

## PRODUCT FEATURES

Sensors: CO<sub>2</sub>, Temperature, Relative  
Humidity, Pressure, Noise, Light (lux)  
Virtual sensors included: Virus Risk,  
Occupancy, please consult web dashboard  
for latest.  
Battery life depends on sensor on/off/  
interval settings and building settings -  
office hours. More than 10 years with noise  
off or alternative office hours set (i.e 7AM-  
5PM Mon-Fri). Product has more than 5  
years battery life regardless of settings.

## PRODUCT SPECIFICATIONS

Operational Environment (Temperature, Relative Humidity):  
32°F to 113°F (0 °C to 45 °C) / 5% - 85% (non-condensing)  
Firmware updates are automatically downloaded and installed over the air  
(OTA) via the Space Hub  
SmartLink frequencies: 865-870 / 902-928 MHz depending on region



CO<sub>2</sub>



HUMIDITY



TEMP



PRESSURE



LIGHT



NOISE

VIRTUAL  
SENSORS



OCCUPANCY



VIRUS RISK

# Space CO<sub>2</sub> Mini

## SENSOR SPECIFICATIONS

Sensor sampling interval:  
5 min default and 2.5 min optional  
Office hours set on building level:  
Outside office hours +1 hour before  
and after, noise sensor is turned off and  
CO<sub>2</sub> interval is set to hourly. In addition,  
humidity, pressure and light are reduced  
to 5 min interval regardless of sensor  
sampling interval setting.

### TEMPERATURE AND RELATIVE HUMIDITY SENSORS

Temperature Accuracy:  $\pm 0.2^{\circ}\text{C} / \pm 0.4^{\circ}\text{F}$   
Humidity Accuracy:  $\pm 2.0\% \text{ RH}$

### PRESSURE SENSOR

Absolute pressure accuracy:  $\pm 30 \text{ Pa}$   
Unit-to-unit pressure accuracy:  $\pm 30 \text{ Pa}$

### CO<sub>2</sub> SENSOR

NDIR Sensor (Non-Dispersive Infra-Red):  
Measurement range 400 - 5000 ppm  
Accuracy  $\pm 50 \text{ ppm} \pm 5\%$  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.

### LIGHT SENSOR

Light sensor is measured in received  
luminous flux per unit area, also known as  
Lux. Performance is TBA

### NOISE SENSOR

Ambient sound is sampled at 1% duty  
cycle and presented as sound pressure  
level in dB (adjusted to human ear hearing  
profile - A-weighted, dBA).

Performance is TBA

### VIRTUAL SENSORS

Virus Risk, Occupancy. Please consult web  
dashboard for latest

## PRODUCT ON-BOARDING AND DAILY USE

Battery tab pull: LED blinks green when  
device is powered on.

On boarding: LED pulses blue while  
device connects to Space Hub and pulses  
white until device is connected all the way  
to Airthings cloud.

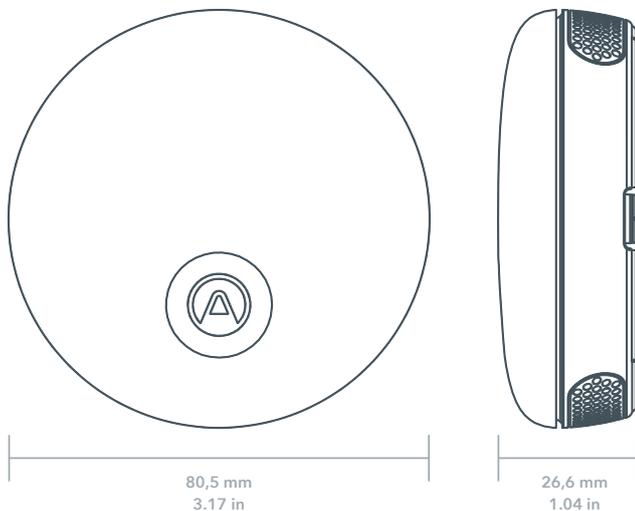
In case SmartLink connection is lost, within  
10 min LED will blink green one time  
followed by blue LED pulse for up to 1 min

or until connected to Space Hub. In case  
no connection is established, the blink  
pattern will repeat at increasing intervals,  
to not deplete batteries.

Touching Airthings logo on product front  
with finger: single white blink if connected  
via Space Hub to cloud, single blue blink if  
not connected. If CO<sub>2</sub> Alert is enabled, LED  
shows CO<sub>2</sub> level color coded green, yellow  
or red.

CO<sub>2</sub> Alert: event is shown as two blinks in  
yellow or red depending on limits set. Alert  
frequency and snooze time can also be set  
in dashboard.

## PRODUCT DIMENSIONS



VIRTUAL  
SENSORS

