

Space CO₂ Mini



Space CO₂ Mini is the discreet answer to increasing focus and regulations on CO₂ monitoring in schools, public buildings and offices. Offered in a 4-pack, Space CO₂ 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 CO₂ 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 Arab 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: CO₂, 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



CO₂



HUMIDITY



TEMP



PRESSURE



LIGHT



NOISE

VIRTUAL
SENSORS



OCCUPANCY



VIRUS RISK

Space CO₂ 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
CO₂ 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: $\pm 30 \text{ Pa}$

CO₂ 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.

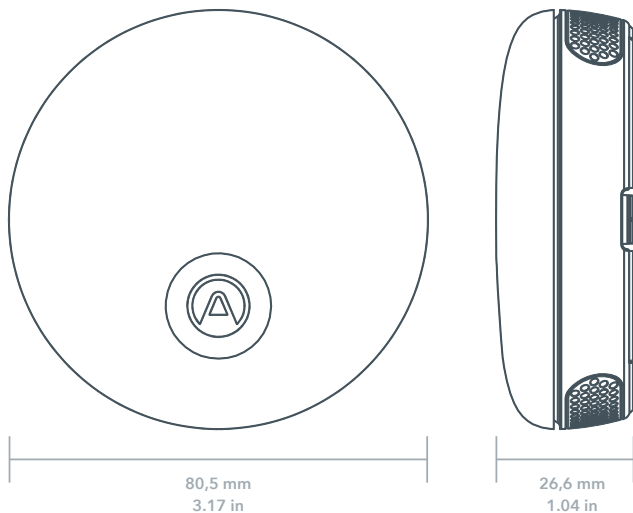
In case SmartLink connection is lost, within
10 min LED will blink green one time
followed by blue LED pulse for up to 1 min

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 CO₂ Alert is enabled, LED
shows CO₂ level color coded green, yellow
or red.

CO₂ 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

