AIRTHINGS | FOR BUSINESS

Space CO_2 Mini

Space CO_2 Mini is the discreet answer to increasing focus and regulations on CO_2 monitoring in schools, public buildings and offices. Offered in a 4-pack, Space CO_2 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_2 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 *

* 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

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.

PRODUCT FEATURES

Sensors: CO_2, 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_2 HUMIDITY TEMP PRESSURE LIGHT NOISE **VIRTUAL SENSORS** OCCUPANCY VIRUS RISK

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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_2 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: ± 0.2°C /± 0.4 F

Humidity Accuracy: ± 2.0 % RH

PRESSURE SENSOR

Absolute pressure accuracy: ± 30 Pa

Unit-to-unit pressure accuracy: ± 30 Pa

CO_2 SENSOR

NDIR Sensor (Non-Dispersive Infra-Red): Measurement range 400 – 5000 ppm

Accuracy ±50 ppm ±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.

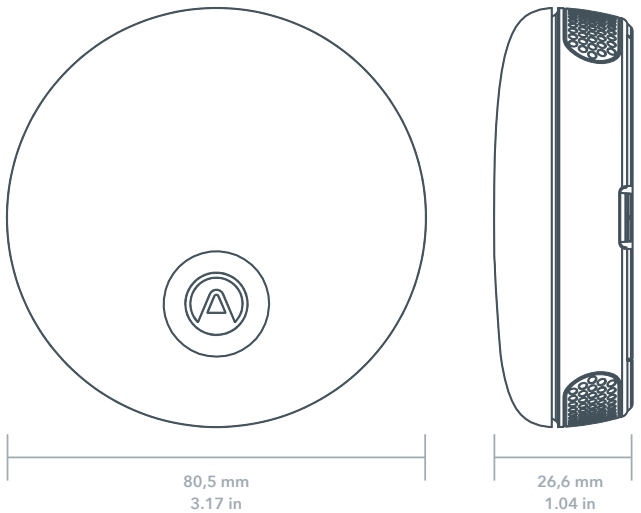
On boarding: LED pulses blue while device connects to Space Hub and pulses white until device is connected all the way to Airthings cloud.

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_2 Alert is enabled, LED shows CO_2 level color coded green, yellow or red.

CO_2 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



CO_2 HUMIDITY TEMP PRESSURE LIGHT NOISE **VIRTUAL SENSORS** OCCUPANCY VIRUS RISK