



Space CO₂ Mini

AIRTHINGS
FOR BUSINESS



Discrete CO₂ Monitoring For The Airthings Ecosystem

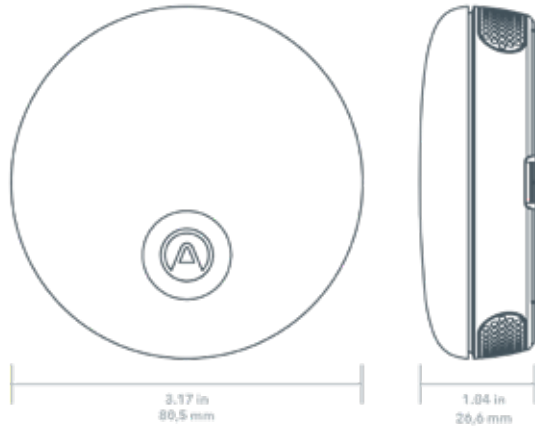
- Compact and economic
- Secure and encrypted end-to-end solution
- Transmits data securely via cellular powered space hub to Airthings cloud, dashboard, and mobile app
- Scalable platform seamlessly integrates multiple Airthings for Business solutions
- Simple and intuitive installation requiring no tools
- Self calibrated weekly
- Up to 10 years of battery life

linx Industries[™]
A DMI COMPANY

Space CO₂ Mini

Discrete CO₂ Monitoring for the Airthings Ecosystem

PRODUCT SPECIFICATIONS



Serial Number: 312xxxxxxx

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

Operational Environment (Temperature, Relative Humidity): 32°F to 113°F (0 °C to 45 °C) / 5% - 85% (non-condensing)

SmartLink frequencies: 865-870 / 902-928 MHz depending on region

PACKAGE CONTENT

Part Number: **SPACECO2MINI**

- Package Dimension: 7.9 x 4.5 x 2.4 in (200 x 115 x 60 mm)
- Weight: 148 oz (419 g)
- Package includes 4 devices and accessories:
 - Airthings Space CO₂ Mini
 - 2 x 1.5V Lithium AA batteries
 - Double-sided tape
 - Battery lid with theft protection

DESCRIPTION

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.

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: 10 years (*battery life depends on sensor on/off interval settings, office hours, and noise sensor settings - product has 5 year battery life regardless of settings*)

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

* Space Hub is needed to post sensor values to cloud.

MOUNTING

- Optimum product placement is on wall 4 -6 feet (1.2 m - 1.8 m) above floor. (*If needed, the product can also be placed > 6 ft (1.8 m) above floor, but in this case mounting with screws is mandatory.*)
- 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.

MONITORS

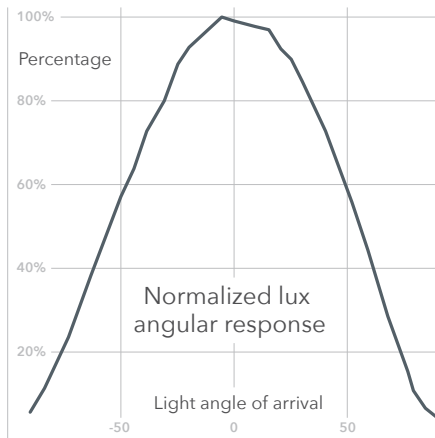


Terms and conditions apply. Visit the Airthings website for more information.

airthings.com/en/business/terms-and-conditions

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 minute interval regardless of sensor sampling interval setting.
- TEMPERATURE AND RELATIVE HUMIDITY SENSORS
 - Temperature Accuracy: $\pm 0.2\text{ }^{\circ}\text{C} / \pm 0.4\text{ }^{\circ}\text{F}$
 - Humidity Accuracy: $\pm 2.0\text{ \% RH}$
- CO₂ SENSOR
 - NDIR Sensor (Non-Dispersive Infra-Red):
 - Measurement range 400 - 5000 ppm
 - Accuracy: $\pm 50\text{ ppm} \pm 5\%$ within
 - 500 - 2000ppm,, 10 - 35 $^{\circ}\text{C} / 50 - 95\text{ }^{\circ}\text{F}$
 - and 0 - 80%RH.
 - Self-calibrated using an automatic baseline algorithm that updates once a week.
- LIGHT SENSOR (LUX)
 - Light sensor is measured in received luminous flux per unit area, also known as Lux. Light sensitivity varies with incoming light direction as shown in graph.
 - Absolute Accuracy in most sensitive direction: $\pm 5\text{ lux} \pm 10\%$



- PRESSURE SENSOR
 - Absolute pressure accuracy: $\pm 30\text{ Pa}$
 - Unit-to-unit pressure accuracy: $\pm 10\text{ Pa}$
- 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).
 - Typical sensitivity: 33dBA SPL
 - Dynamic range: 33dBA - 120dBA SPL
 - Absolute Accuracy over dynamic range: $\pm 3\text{ dB}$
- VIRTUAL SENSORS
 - Virus Risk, Occupancy. Please consult web dashboard for latest.

LED INDICATOR

- Pull battery tab: 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.