

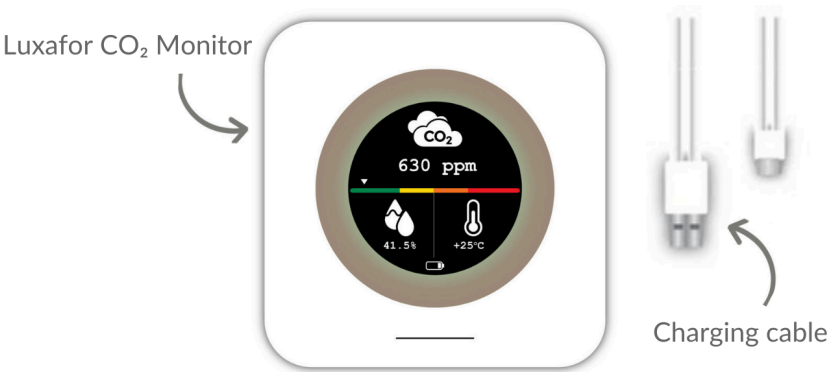
Luxafor CO₂ Monitor



User Manual

Luxafor CO₂ Monitor Package Contents

1x Luxafor CO₂ Monitor
1x USB Data Cable
0.5 m (20")



Product Specifications

Dimensions:	52 x 52 x 27 mm (2.05 x 2.05 x 1.06")	
Weight:	55g (1.94oz)	
Measurements:	CO ₂ (carbon dioxide), temperature, relative humidity	
Operating environment:	Indoor use	
Measurement range:	CO ₂ (ppm)	0 to 5000
	temperature (°C)	0 to 60
	temperature (°F)	32 to 140
	relative humidity (% rH)	0 to 100
Measurement accuracy:	CO ₂ reading (ppm)	0...2000 ppm < ± (50 + 2
	Accuracy at 25 C and 1013 mbar (77 F and 14.69 psi)	% of the measured value)

		0...5000 ppm < $\pm (50 + 3$ % of the measured value)
	temperature reading (°C)	± 0.5 (15 to 40 °C) ± 1.0 (0 to 60 °C)
	relative humidity (% rH)	± 3.5 (20 to 80% rH) ± 5.0 (0 to 100% rH)
Sensor:	Nondispersive infrared (NDIR) sensor for measuring CO ₂	
Calibration interval:	5 years	
Data update rate:	5 minutes (vl.14); 1, 3, 5 or 10 minutes optionally (vl.34)	
Power options:	USB Powered / 1200 mAh Li-ion battery	
Battery life:	Up to 3 weeks (vl.14) / Up to 2 months (vl.34)	
Operating temperature:	0°C to 50°C (32°F to 122°F)	
Operating humidity:	0% to 85% non-condensing	
E-ink display:	Resolution: 200 x 200	Viewing angle: >170°
Display color:	Black & white	
Notification light:	1 x RGB LED	
Sound alarm:	Buzzer	

Construction: ABS

Charging Instructions

1. Prior to use, charge the Luxafor CO₂ Monitor by connecting the included charging cable into a USB power outlet, such as a USB charger, and plug the other end into the Luxafor CO₂ Monitor's micro USB charging port. Charging time approx. 2.5h. When charging is complete, the Lightning bolt symbol will disappear and be replaced by the linear scale.
2. The Luxafor CO₂ Monitor will turn on immediately when the charging has begun. A Lightning bolt icon will indicate that the unit is being charged.
3. You can use the Luxafor CO₂ Monitor unit safely during the charging process - it will operate normally.

Whilst charging, a slight temperature measure rise is possible at all times.

CO2 Monitor vl.14

Turning the Device On and Off

To turn on the device, short press the button at the back of Luxafor CO₂ Monitor. To turn off the device, long-press the button at the back of the unit and hold for approx. 10 seconds. Release when a Turned off notification appears in the E-ink screen.

Button Functionality

There is a button at the back of Luxafor CO₂ Monitor. Follow the instructions below to access various functionality controlled by this button:

Turn the device on	Short press 1x
Refresh data	Short press 1x
Stop the alarm sounding	Short press 1x
Turn alarm mode on/ off	Press and hold for 6 seconds (indicated

by RED LED and icon on the screen)

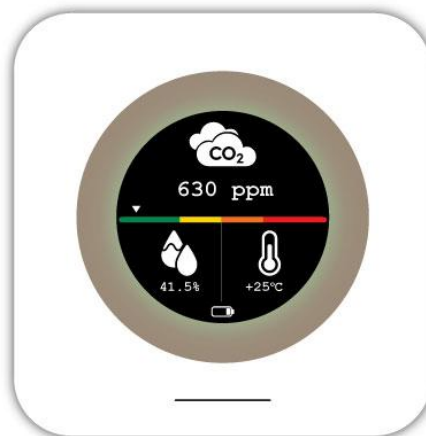
**Switch between F/C
temperature readings**

Short press 2x

Turn off the device

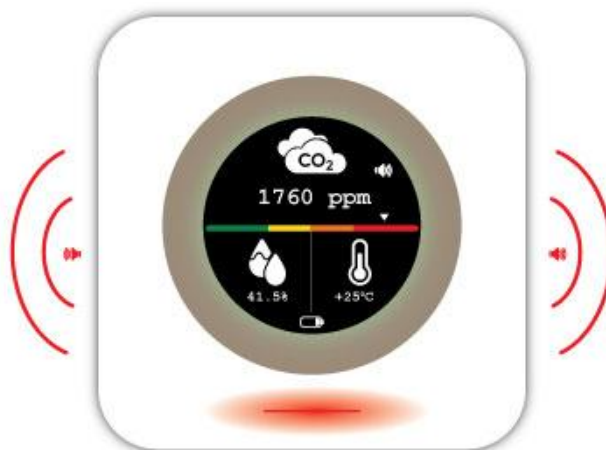
Press and hold for 6 seconds

Regular mode



Regular mode is the default mode that is active when you first turn on the device. It displays the CO₂ level, temperature, humidity, and battery level on the screen in real-time without any alarms.

Alarm mode



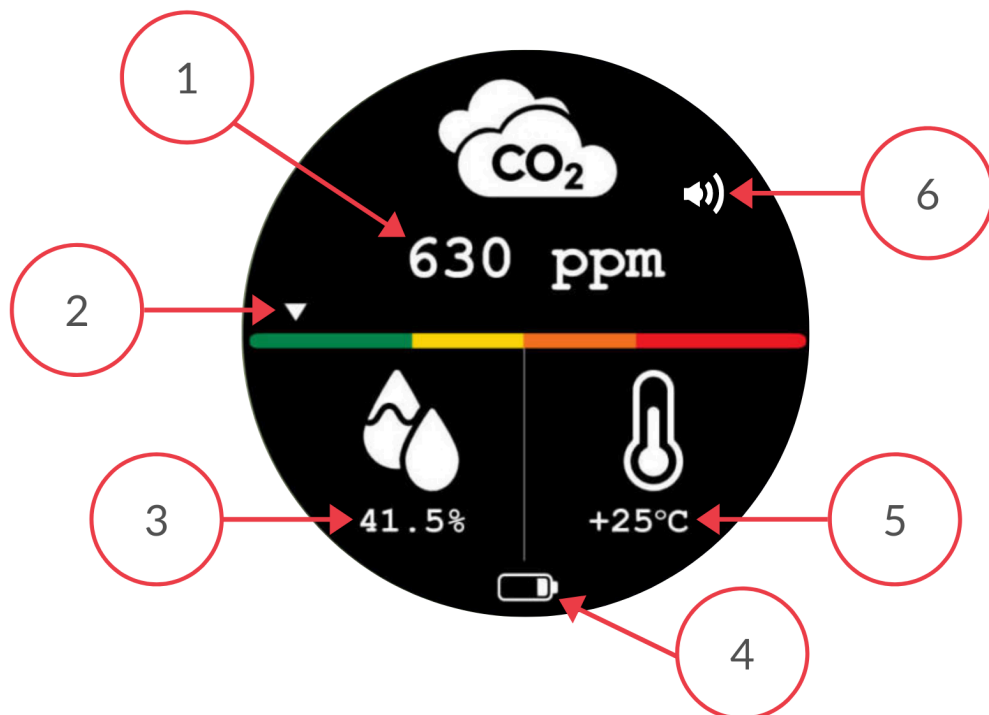
The alarm mode is activated and deactivated by holding a button for 6 seconds. When this mode is activated, a RED LED light will be visible for 5 seconds and a small alarm icon will show up.

When your CO₂ level exceeds 1000 ppm, the device will start buzzing every 1 minute and the LED will blink red for 3 seconds every 1 minute.

When your CO₂ level exceeds 1200 ppm, the device will sound the buzzing alarm every 5 seconds and the LED will blink red constantly. It's an indicator that the room needs ventilation to remove any aerosols from the air as soon as possible.

You can stop the alarm by pressing the button 1x and it will be deactivated and will auto-activate again when the CO₂ level drops below 800 ppm, if not turned off.

Reading the Measurements on the Screen



1. CO₂ concentration level in ppm (parts per million)
2. CO₂ threshold level indication with the arrow pointing to a certain color of the scale:
 - Green represents normal level (below 1000 ppm)
 - Yellow represents average level (1000 to 1200 ppm)

- Orange represents a high level (1200 to 1400 ppm)
- Red represents an extremely high level (above 1400 ppm)

3. Relative humidity of the air (RH%)
4. Battery level
5. The temperature of the air in Celsius or Fahrenheit (refer to [“Button Functionality”](#) of this manual for instructions on switching between F/C)
6. Alarm icon (visible only when the Alarm mode is active)

CO2 Monitor vl.34

Button Functionality

Follow the instructions below to access various functionality controlled by the button on the back of device:

Turn the device on	Short press 1x
Switch to the next view	Short press 1x (there are 4 views: initial, CO2, Temperature and Humidity measure)
Switch to the menu	Double click



Short click	Next
Long click for 2 seconds	Select
Double click	Return

CO 2 Measurement Performance

The CO₂ measurement is based on the dual wavelength NDIR principle, which compensates for aging effects, is highly insensitive to pollution and offers outstanding long-term stability. A multiple point CO₂ and temperature factory adjustment procedure leads to excellent CO₂ measurement accuracy over the entire temperature working range.

If you have any questions, please don't hesitate to contact us at support@luxafor.com or call +371 27755544.

Send us a full report of the issue, explaining the details of the situation, when the issue first occurred, and if the issue persists throughout the troubleshooting process. We strongly recommend adding pictures/ videos to better explain the situation.