E30300

GB | Air Quality Monitor

✎ Contents

Safety Instructions and Warnings

Read the user manual before using the device.

Follow the safety instructions in the manual.

- Do not tamper with the internal electric circuits of the product – doing so may damage the product and will automatically void the warranty. The product should only be repaired by a qualified professional.
- To clean the product, use a slightly moistened soft cloth. Do not use solvents or cleaning agents – they could scratch the plastic parts and cause corrosion of the electric circuits.
- Do not use the device in the proximity of devices that create electromagnetic fields.
- Do not expose the product to excessive force, impacts, dust, high temperatures or humidity – these may cause the product to malfunction or deform its plastic parts.
- Do not insert any objects into the openings on the device.
- Do not submerge the device in water.
- Protect the device from falls or impacts.
- Only use the device in accordance with the instructions provided in this manual.
- The manufacturer is not liable for damage caused by improper use of the device.
- The appliance is not intended for use by persons (including children) whose physical, sensory or mental disability or lack of experience and expertise prevents safe use, unless they are supervised or instructed in the use of the appliance by a person responsible for their safety. Children must always be supervised and must never play with the appliance.

108 mm
40 mm
126 mm

CO2 913 PPM
NORMAL
23:58 20:15

Technical Specifications

Wi-Fi controlled clock
Time format: 12/24 h
CO_2: 400–5,000 ppm
CO_2 measurement accuracy: ±50 ppm
CO_2 measurement interval: every 30 seconds
CO_2 sensor type: optical NDIR
Indoor temperature: 0 °C to +50 °C, increments of 0.1 °C
Temperature measurement accuracy: ±2 °C
Indoor humidity: 20 % to 95 % RH, increments of 1 %
Humidity measurement accuracy: ±5 % in 30 % to 80 % RH range, ±8 % in other ranges
Temperature and humidity measurement interval: every 30 seconds
Temperature and humidity measurement sensor type: SHTC3
Transmission frequency: 2.4 GHz, 25 mW e.r.p. max.
Power supply:
    Integrated 3.7 V 850 mAh Li-Pol battery
    5 V/1 A USB-C port (1m cable included)
Dimensions: 108 × 126 × 40 mm

Description of Icons and Buttons

1 – Wi-Fi signal reception
2 – CO_2 value
3 – battery status
4 – CO_2 alarm
5 – CO_2 trend
6 – CO_2 measurement unit
7 – air quality
8 – alarm activation
9 – snooze mode
10 – time
11 – alarm mode
12 – max/min humidity
13 – humidity symbol
14 – humidity value
15 – temperature value
16 – temperature symbol
17 – max/min temperature
18 – chart of CO_2 measurement history
19 – max/min CO_2
20 – CO_2 symbol
21 – backlight/ON/snooze button
22 – mode button
23 – up arrow
24 – down arrow
25 – CO_2 alarm activation
26 – USB-C port

Installation and Assembly

Breathing high concentrations of CO_2 can result in carbon dioxide intoxication. Symptoms of this intoxication include headache, irregular heartbeat, nausea, loss of consciousness or even death.
It is suitable for homes, offices, meeting rooms, shops, etc.
The ideal location is 1.5 above the ground to about the height of switches.
After unpacking, place the device in a ventilated place and turn it on after one hour.
Do not place it close to the bed, as breathing may falsely increase the measured value.
Do not place it in corners or behind furniture, as dust may foul up the sensor.
Do not place it right next to a window or a door, as the air flow may falsely reduce the measured value.

Mobile Application

The air quality monitor can be controlled using a mobile app for iOS or Android.
Download the EMOS GoSmart app for your device.
Tap the Log In button if you've used the app before.
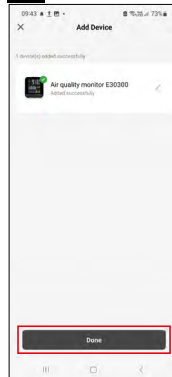Otherwise, tap the Sign Up button and register.

Pairing with the App

Pairing an Air Monitor with the App

Plug the USB-C cable into the back of the device. Connect the cable to a USB power supply (not included).
Long-press the top button (3 seconds) to switch on the screen.
The device will start to warm up, which is indicated by a 180-second countdown on the screen.
At the same time, the Wi-Fi icon and red LED will start flashing – the device is in pairing mode.
If the Wi-Fi icon does not flash, press ⊙.
Tap **Add Device** in the app.
Tap the **GoSmart** list on the left and then the E30300 Air Quality Monitor icon.
Follow the instructions in the app and enter the name and password for your 2.4 GHz Wi-Fi network.
The monitor will pair with the app within 2 minutes. The blue LED will be constantly lit up.
*Note: If the device fails to pair, repeat the process. 5 GHz Wi-Fi networks are not supported.*

Controls and Functions

Application Menu

1 – date/month/year
2 – CO_2/temperature/humidity chart
3 – day/month/year chart display
4 – CO_2 chart display
5 – current temperature
6 – min. measured value of CO_2
7 – battery status
8 – advanced settings
9 – settings of the CO_2 alarm and temperature
   unit (C/F)
10 – activated CO_2 alarm
11 – CO_2 value
12 – max. measured value of CO_2
13 – current humidity
14 – temperature chart display
15 – humidity chart display
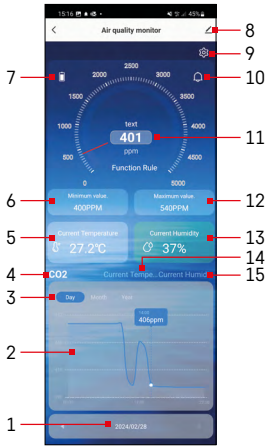
Advanced Settings

Tap the ✎ icon.
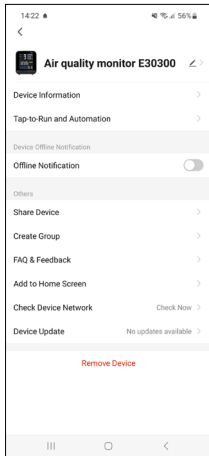
- **Device information** – basic information about the device and its owner.
- **Tap-to-Run and Automation** – view scenes and automation assigned to the device.
- **Offline Notification** – to avoid constant notifications, a notification will be sent if the device remains offline for more than 30 minutes.
- **Share Device** – option for sharing the administration of the device with another user.
- **Create Group** – creates a group of multiple devices that can be controlled together.
- **FAQ & Feedback** – shows frequently asked questions and their solutions and provides the option to send us a question/suggestion/feedback directly.
- **Add to Home Screen** – adds the icon for the device to the home screen of your phone. That way, you no longer need to open the device through the app; you simply tap the newly added icon and you will be redirected straight to the device.
- **Check device network** – checks the network of the device.
- **Device Update** – updates the device.
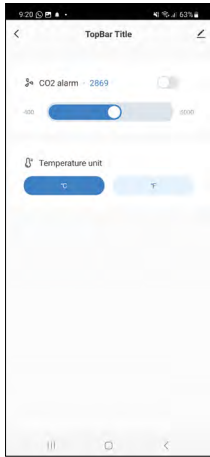
Setting the CO₂ Alarm and Temperature Unit (°C/°F)

Tap the ⚙ icon.
Use the slider to set the value for the CO_2 alarm.

Press the toggle repeatedly to activate 🔵 or deactivate ⚪ the alarm.

When the alarm is activated, 🔔 will appear in the app and 🔇 will appear on the device screen.

When the set CO_2 value is exceeded, the device will start beeping and the CO_2 value will start flashing on the screen.

The bell icon ◎ will be flashing in the app.

Press ✖ to mute the alarm or use the toggle ⚪ in the app to deactivate it.
The value on the screen will keep flashing until it drops below the set level.
Press the °C or °F icon in the settings to set the temperature unit.

Manual Setting of Clock, Time Format and Temperature Unit (°C/°F)

Long-press the 🕒 button on the device.
Use the ▲ and ▼ buttons to set the following parameters: hour – minute – time format (12/24 h) – temperature unit (°C /°F).

You can move between the individual values by pressing 🕒.
Holding the button accelerates the setting of values.

Setting an Alarm

Short-press the 🕒 button on the device; ALARM will appear.

Then, long-press the 🕒 button; the time setting will start flashing.
Use the up and down arrow buttons to set the hour and minute.
You can move between the individual values by pressing 🕒.
Holding the button accelerates the setting of values.
Short-press the 🕒 button to activate the alarm; ALARM will appear.

Press the up arrow button repeatedly to activate (the 🔔 icon will appear) or deactivate (the icon will not appear) the alarm.

Snooze Function

The alarm ringing can be delayed by 5 minutes using the Snooze button on the top part of the device.

Press the button when the alarm starts ringing. The 🔔 Zᶻ icons will start flashing.
To cancel the Snooze function, press any other button – the alarm icon will remain displayed.
The alarm will be re-activated the next day.
If you do not press any button while the alarm is ringing, the ringing will stop automatically after 2 minutes.

View Max/Min Values

Press the ▲ button repeatedly to view the measured values of temperature, humidity and CO_2.
The memory of measured values is automatically erased every day at 00:00.
You can also erase the memory by long-pressing ▲.

CO$_2$ Trend

	rising	constant	falling
CO$_2$ trend indicator	↗	→	↘

Air Quality

Air quality indicator	POOR	NORMAL	GOOD
Air quality	poor	normal	good
CO$_2$ range	Above 1,001 ppm	701–1,000 ppm	400–700 ppm

The device was calibrated from production.
If the measured CO$_2$ value is significantly different from normal, you can calibrate the device using one of the two available methods:

Automatic CO$_2$ Calibration
Turn on the device and connect the USB-C cable.
After 24 hours, the minimum detection value of the CO$_2$ concentration will be recorded and the device will be calibrated.
To ensure that the sensor measures values accurately after calibration, make sure the device is placed in an environment where the CO$_2$ concentration can be reduced to the outdoor atmospheric level (400–420 ppm) within 24 hours after power-up and 7 days of continuous operation.

Manual CO$_2$ Calibration
Turn on the device and connect the USB-C cable.
Long-press the up and down arrow buttons simultaneously.
CAL will start flashing on the screen; the process will automatically end after 10 minutes.
Make sure the device is placed in an environment where the CO$_2$ concentration can be reduced to the outdoor atmospheric level (400–420 ppm).
If the calibration is unsuccessful, ERR will display.
Note: We recommend calibrating the meter outdoors. Always calibrate with the USB-C cable connected.

Station Screen Backlighting

When powered by a USB-C cable:
Permanent screen backlight is set by default.
Repeatedly press the backlight button to set the 2 backlight modes (on and off).
Always use this as the main power supply.

When powered only by the integrated battery:
Emergency power supply.
Permanent backlight can be activated, but the device will switch off after about 4 hours.

Integrated Battery

The integrated battery takes about 4 hours to charge.
A fully charged battery is indicated by the 🔋 icon.
A low battery is indicated by the 🔋 icon; the measured values may be inaccurate.
Plug in the USB-C cable and charge the battery.
Do not disassemble the battery, do not expose it to shock and do not put it in fire. If the battery bulges, stop using the device.
Do not expose the battery to high temperatures.

Troubleshooting FAQ

The measured values are inaccurate:
- Charge the integrated battery, plug in the USB-C cable.
- Calibrate the device.
- Move the device to a more suitable place.