



IOT PROJECT 2020/2021

CARBON MONOXIDE SENSOR

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The following images and descriptions of the products are taken from Amazon.com, the purpose is only the one to show what is actually present on the market and to give an overview of their functionalities.

S SMAUTOP QUALITY AIR DIGITAL MONITOR DETECTOR

Spec:

Material: ABS

Display: LCD

Charging time: circa 4-6 ore

Estimated error: 3% -30%

Batteries: 1000 mAh

Power: 5 W



- [Multiple scenarios] It can be useful to detect air quality in your home, car, offices, laboratories and more.
- [High precision] Data about measurements are really accurate.
- [Alarm] When the level are above the dangerous range the display will start lighting to send a message to the user.
- [Batteries] 1000 mAh, standby until 360 minutes. Use USB to charge.
- [Design portable] Small device that can be used everywhere

PRICE: 44,90 EUR

Smartwares RM370

Dimension	12 x 9 x 3.5 cm
Batteries	3xAA batteries (included)
Material	Plastic
Volt	1.5V
Weight	20g
Cover	40sq.m



MAIN FUCNTIONALITY

Loud 85dB alarm alerts you, giving you time to take safety measures to prevent carbon monoxide poisoning.

MAINTENANCE

The operation of the carbon monoxide detector can be affected by dust and dirt, so it is important to clean it monthly using a slightly damp cloth and every two years with a vacuum cleaner. Never use detergents or paint the gas detector. It is also important to check the carbon monoxide detector on a regular basis with the test button.

PRICE:23,99 EUR

X-Sense

- **ACCURATE, RELIABLE AND EXTREMELY SENSITIVE:** Equipped with photoelectric and electrochemical CO sensors, which work independently of each other; immediately issues an alarm in the presence of dangerous concentrations of smoke or CO, minimizing false alarms; provides optimal protection from 2 deadly threats, in 1 single unit.
- **INTEGRATED BATTERY WITH A DURATION OF 10 YEARS:** The integrated lithium battery provides 10 years of continuous power, saving energy and respecting the environment; saves you having to constantly change batteries and having to worry about the correct functionality of the detector.
- **VARIOUS FUNCTIONS:** The malfunction and low battery warnings allow you to easily know the operational status of the detector; the Test / Silence button allows you to test the product weekly and to silence the alarm in the event of false alarms; in case of emergency, the device emits an alarm of over 85 dB throughout the house, immediately alerting the whole family, even people who are sleeping.
- **CONVENIENT LCD SCREEN:** Clearly indicates the current concentration of carbon monoxide (CO) present in the surrounding air in real time, as well as the remaining battery life and operational status of the alarm, if a CO concentration of 30- 999 ppm holds for a certain period of time, the screen lights up blue and the LED indicator flashes red 4 times every 5.8 seconds.
- **QUICK AND SIMPLE INSTALLATION WITH GUARANTEED QUALITY:** The installation does not require a new wiring; with the mounting bracket, screws and plugs included, the detector can be easily mounted on any wall or ceiling; to ensure user peace of mind and complete confidence in our product, the detector is certified to meet the UL safety standard (EN); is covered by a 10-year warranty and lifetime customer support.



PRICE: 33,99 EUR

Google Nest Protect

Nest Protect has been redesigned from the inside out. It has an industrial grade smoke sensor, can be silenced by the phone, occurs automatically and lasts up to 10 years. And just like the original Nest Protect, it also tells you what's wrong and can even alert your phone. Note: Backup batteries are included. Note: the dates indicated on the item are different, one is the date of manufacture and the other is replaced by the date.

- Voice alarms with customized location.
- Telephone alerts include:
 - low battery
 - smoke
 - carbon monoxide
 - sensor failure
- Split spectrum sensor.
- Nest app.
- Silence app.
- There are both the production date and the the replacement date.

PRICE:140,00 EUR

