

# ECnose

## Air Quality Gas Monitor

Breathe with safety and confidence

Electric ECnose enhances your human nose

Green- Yellow- Red LED Traffic Lights

Easy to use





## Indoor Air Pollution Source

Indoor air predominantly consists of nitrogen and oxygen, but chemical pollutants are added by the following three main sources of pollution:

- **Contamination by harmful chemical substances contained in construction and decorative materials:**

Various adhesives, glues, paints and varnishes used in decorative materials, furniture and construction contain large amounts of volatile harmful gases, mainly TVOC gas, including formaldehyde, benzene, toluene, xylene, etc. They are potentially carcinogenic or mutagenic and may pose a serious risk to human health.



- **Air pollution from the kitchen:**

The cooking process is a daily high pollution source and will produce more than 200 different pollution gases in the room. Insufficient combustion of natural gas will produce dangerous CO gas.

- **Entry of polluted outdoor air:**

NO<sub>2</sub> nitrogen dioxide, SO<sub>2</sub> sulfur dioxide, TVOC total volatile organic compounds, NH<sub>3</sub> ammonia, CO carbon monoxide, etc., which are mainly produced by pollution through automobile emission and pollutant emissions from surrounding factories.

- **Harmful gases generated by indoor activities:**

Toilets, garbage and exhaled gas of the human body mainly contain hydrocarbons, aldehydes, ketones, VOC gas, SO<sub>2</sub> sulfur dioxide, NO<sub>2</sub> nitrogen dioxide, CO carbon monoxide, CO<sub>2</sub> carbon dioxide, H<sub>2</sub>S hydrogen sulfide, NH<sub>3</sub> ammonia, dimethylamine, methyl mercaptan, methyl sulfide and other hazardous gases. Most of them are metabolites in the body, the other part are pollutants that are exhaled in their original form after inhalation.

## Product Overview

Turn the invisible to visible - ECnose air quality monitor gives an insight of your indoor air quality anytime, anywhere.

ECnose is an easy to use, reliable air quality gas monitoring instrument. ECnose can enhance your nose to accurately sniff out harmful gases and unclean air.

The human nose easily adapts to smell – so after a while, you might not be able to smell gas, even if it is still present – but the ECnose will continue to detect the gas, even when our noses do not!





## Features



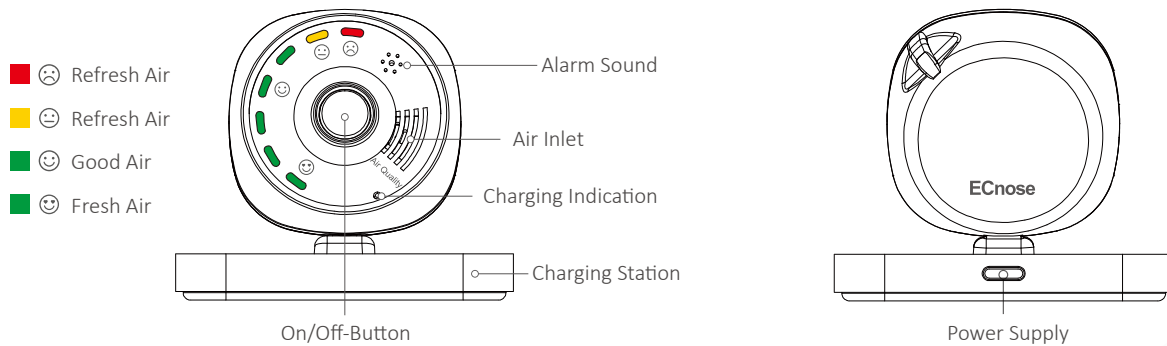
- Small size with charging station, easy to fit any space
- Portable design for multi-room measurement



- 7 traffic LEDs for indication of indoor air quality pollution levels
- Yellow and Red LED alerts will signal when it is time to refresh the air in your room



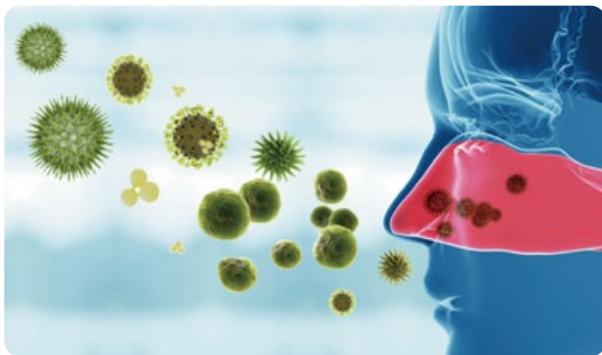
- Powerful rechargeable polymer lithium battery for up to 75 hours of continuous running time



## Application

### ECnose Air Quality Monitor for Kindergartens and Schools

We are making sure all schools and classrooms have adequate fresh air ventilation to reduce virus transmission and protect kids and teachers.





## ECnose Air Quality Monitor for Offices

Fresh air can keep your head clear for an efficient work day.

Use your ECnose here:

- Office
- Meeting room



## ECnose Air Quality Monitor for Homes

Control your air quality at home for a healthy, safe and comfortable environment. We spend most of our time indoors, where the air is often more polluted than outdoors. ECnose reliably measures different situations and areas in your home and helps to improve your life quality.

Use your ECnose here:

- Nursery
- Parent's Bedroom
- Basement
- Child's Bedroom
- Kitchen
- Living Room



### Notes:

- Daily cooking will produce more than 300 different harmful gases.
- Fresh air ensures high quality sleep.
- Air pollution puts stress on asthma and lung disease patients and induces disease aggravation, recurrence as well as a slow recovery.
- After renovations of homes or offices, ECnose is an easy to use solution to determine the air quality. It smells the residues of new furnitures, paints and other building materials.



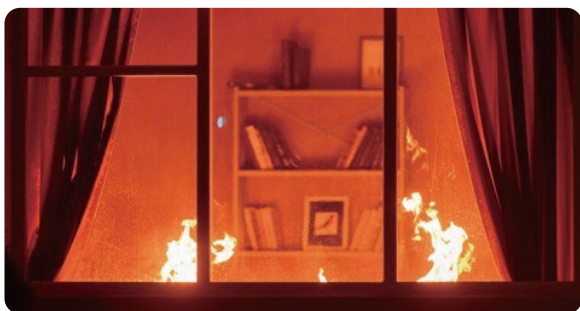
## Hospitals and Special Care Homes

- Fresh air will help patients to have a quick recovery.
- Sustain a good indoor air quality in special care and retirement homes to diminish the chances of virus transmissions among residents.



## Early fire warning

- ECnose can detect carbon monoxide at the beginning stage of a fire.



## Specifications

Part Number	White Colour: 05-ECnose-IAQ-200-W-01 Black Colour: 05-ECnose-IAQ-200-B-01
Display	7 LED 5 Green LEDs (Good air) 1 Yellow LED (Refresh air) 1 Red LED (Refresh air)
Sound Alarm	Dangerous or unhealthy gas alarm, Low battery alarm
Gases Detected	TVOC, HCHO, CO, H <sub>2</sub> S, SO <sub>2</sub> , NO <sub>2</sub> , HCN, H <sub>2</sub> , Smoke, C <sub>4</sub> H <sub>8</sub> , C <sub>2</sub> H <sub>4</sub> , CH <sub>4</sub> S, C <sub>2</sub> H <sub>6</sub> O, C <sub>8</sub> H <sub>8</sub> , CH <sub>3</sub> OH, C <sub>3</sub> H <sub>6</sub> N, Cooking Fumes,.....
Resolution	0.001ppm
Colour	White, Black
Power Supply	Rechargeable lithium-polymer battery
Working Temperature	0~50°C
Working Humidity	15%-95% RH.
Size	50 x 50 x 20 mm
Weight	145 g
Warranty	One year after the original retail purchase date
Accessories	1 USB cable, 1 USB power charge station, 1 Lanyard

# ECnose

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