ECnose

Organic Volatiles Gas Monitor

Breathe with safety and confidence

Electric ECnose enhances your human nose

Green- Yellow- Red LED Traffic Lights

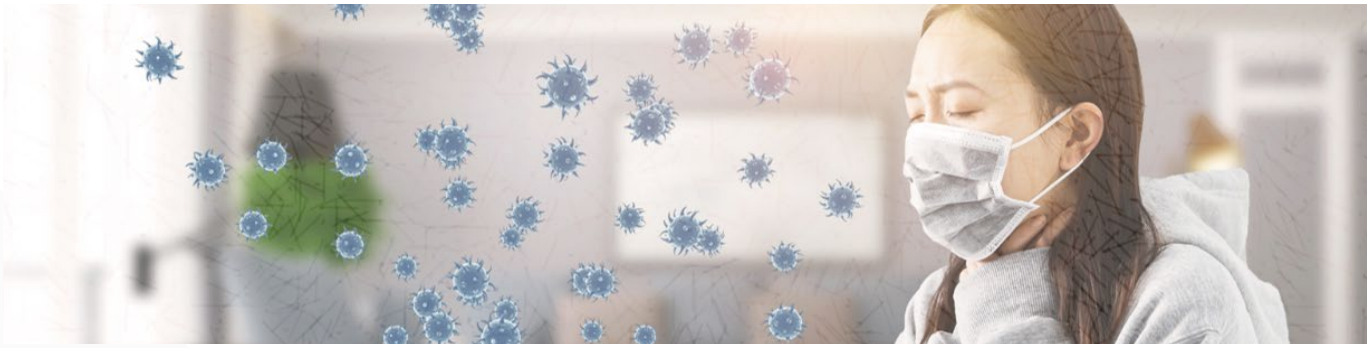
Easy to use

ECnose

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_2 nitrogen dioxide, SO_2 sulfur dioxide, TVOC total volatile organic compounds, NH_3 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_2 sulfur dioxide, NO_2 nitrogen dioxide, CO carbon monoxide, CO_2 carbon dioxide, H_2S hydrogen sulfide, NH_3 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 TVOC monitor can understand the TVOC concentration in your environment anytime and anywhere.

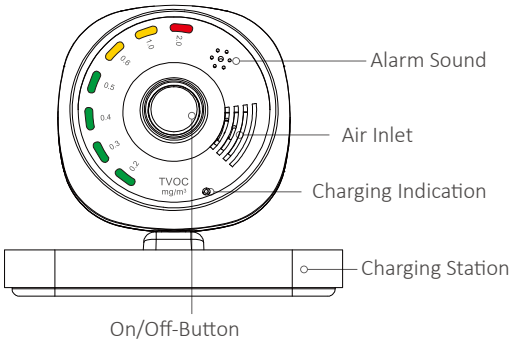
ECnose is an easy to use, reliable organic volatiles gas monitoring instrument. ECnose can enhance your nose to accurately sniff out harmful gases and unclean air.

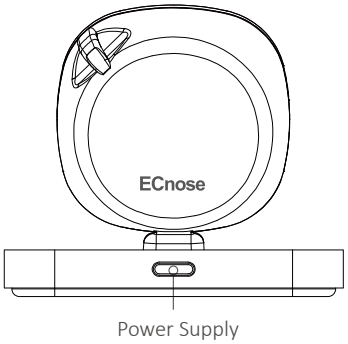
The human nose easily adapts to smell – so after a while, you might not be able to smell gas, even if it is still present – but the ECnose will continue to detect the gas, even when our noses do not!

Features

- Small size with charging station, easy to fit any space
- Portable design
- 7 LED lights to indicate organic volatiles concentration
- 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

- 2.0 Extremely Dangerous
- 1.0 Danger
- 0.6 Critical
- 0.5 Small Amount
- 0.4 Trace Amount
- 0.3 Very Trace Amount
- 0.2 None





Application

Kindergarten & School Organic Volatiles Monitoring

We are ensuring all schools and classrooms have adequate fresh air ventilation to reduce the spread of the virus and protect children and teachers.

In-car Organic Volatiles Monitoring and CO Safety Warning

As an essential means of transportation for people in daily life, automobiles have a small and airtight interior space. The main polluting gases come from the introduction of external vehicle exhaust emissions and the large amounts of CO, SO_2, TVOC and other toxic gases produced by their own engine emissions.

ECnose

ECnose Organic Volatiles Monitor for Offices

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

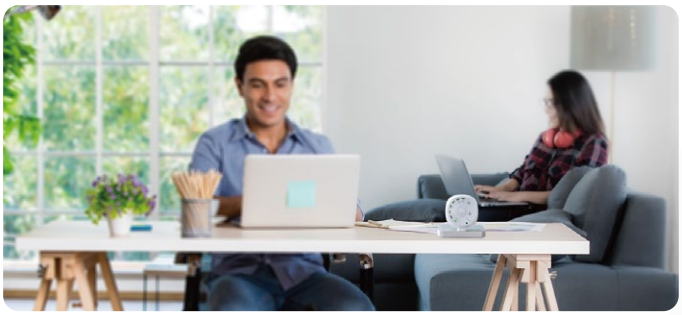
Use your ECnose here: • Office • Meeting room

ECnose Organic Volatiles Monitor for Homes

Control your TVOC 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 formaldehyde. It smells the residues of new furnitures, paints and other building materials.

ECnose

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.

Specifications

Part Number	05-ECnose-TVOC-10-W-01
Display	7 LED
	4 Green LEDs (0.2-none, 0.3-very trace amount, 0.4-trace amount, 0.5-small amount)
	2 Yellow LEDs (0.6-critical, 1.0-dangerous)
	1 Red LED (2.0-extremely dangerous)
Sound Alarm	Dangerous or unhealthy gas alarm, Low battery alarm
Gases Detected	Organic Volatiles
Resolution	0.001ppm
Colour	White
Power Supply	Rechargeable lithium-polymer battery
Working Temperature	0 to 50°C
Working Humidity	15% to 95% RH.
Size	50 x 50 x 20 mm
Weight	145 g
Warranty	12 months
Accessories	1 USB cable, 1 USB power charge station, 1 Lanyard

ECnose

Business Centre
Europe and the rest of the world
EC Sense GmbH
Wangener Weg 3
82069 Hohenschäftlarn, Germany
Tel: +49(0)8178-99992-10 Fax: +49(0)8178-99992-11
Email: office@ecsense.com
www.ecsense.com, www.ecnose.de

Business Centre
Asia
Ningbo AQSystems Technology Co.,Ltd
F4-17 Building, Zhong Wu Technology Park No.228,
Jin Gu Bei Road, Yinzhou District Ningbo,
Zhejiang Provence, P.R.China Post Code: 315100
Tel: +86(0)574 88097236, 88096372
Email: info@aqsystems.cn
www.ecsense.cn, www.ecnose.de

ECnose TVOC Gas Monitor Datasheet_V1.0_20231213