

4-in-1 indoor air quality monitor Formaldehyde detector with touch screen FNIRSI SFD-02



Model: SFD-02

Manufacturer: FNIRSI

EAN: 5905156102439

Product Code: 1086584

R1,700

One small monitor - a huge difference for your health

The FNIRSI SFD-02 is an advanced 4-in-1 indoor air quality monitor that measures formaldehyde (HCHO), TVOC, humidity, and air quality index (AQI) in real time. It combines high-precision electrochemical and semiconductor sensors, active ventilation, a clear 2.4" HD touchscreen, smart alarms, and analytical functions. It is a complete tool for protecting your health at home, in the office, in the car, and in renovated or rented apartments.

Laboratory-grade precision in a home monitor

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At the heart of the device is a highly sensitive electrochemical sensor, designed specifically for the selective detection of formaldehyde. Advanced interference filtering ensures accurate and stable measurements even at very low concentrations, so you can be sure that you are responding to a real threat and not random fluctuations.

TVOC under constant surveillance - detect hidden sources of pollution

The FNIRSI SFD-02 also monitors TVOC – volatile organic compounds emitted [by](#) furniture, paints, adhesives, detergents, and new finishing materials, among other things. This allows you to quickly identify problematic items or rooms and effectively improve air quality.

Stable measurements thanks to forced air flow

The built-in active air suction system eliminates the influence of external gusts and uneven flow. The result? A constant supply of air to the sensors and more accurate readings, regardless of where the device is placed.

Clear 2.4" HD touch screen - everything clear at a glance

The large tempered glass touch screen clearly displays: HCHO concentration, TVOC, humidity, AQI, risk assessment, date, time, and battery charge status. Operation is intuitive and user-friendly, even for children and seniors.

Real-time risk assessment - you know when to react

Thanks to its powerful FNIRSI SFD-02 processor, the device instantly interprets the data and presents it in the form of an understandable air quality assessment (Excellent / Good / Mild / Moderate / Severe). You don't have to analyze the numbers – the device itself shows you whether the air is safe.

Automatic audible alarm - safety you can hear

When the formaldehyde or TVOC level exceeds safe values, the monitor automatically triggers an audible alarm. This ensures that you won't overlook the danger, even if you're not looking at the screen.

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Different household members, different needs - individual safety thresholds

The device offers special settings for children, pregnant women, and the elderly, taking into account their greater sensitivity to pollution. This is a real benefit for families who want to take care of the most vulnerable members of their household.

Measurement history that shows more than a single reading

The FNIRSI SFD-02 records historical data and presents it in the form of easy-to-read curve graphs, allowing you to observe trends and evaluate the effectiveness of ventilation or air purification.

Smart "smiling guard" - visual warning in sleep mode

In sleep mode, the screen displays changing facial expressions – the poorer the air quality, the "sadder" the face, and at high concentrations, audible warnings are triggered. It is a simple yet very clear warning signal.

Formaldehyde removal calculator - plan your actions without guessing

The built-in formaldehyde reduction calculator helps you estimate the time and cost of removing pollutants depending on the size of the room, HCHO concentration, and the method chosen (ventilation, activated carbon, photocatalysis). It is a practical aid for making real decisions.

Mobility and convenience - 1000 mAh battery and docking station

The built-in 1000 mAh lithium battery and wireless docking station ensure long operation and convenient charging. You can easily move the monitor between rooms, take it with you in your car, or use it when accepting an apartment after renovation.

Manufacturer	FNIRSI
Model	SFD-02
Device type	Air quality monitor / formaldehyde detector
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Functionality	HCHO, TVOC, humidity measurement and air quality assessment (AQI)
Formaldehyde sensor type	Electrochemical sensor
TVOC sensor type	Semiconductor sensor
Humidity measurement	Yes
Formaldehyde (HCHO) measurement range	0–0.6 mg/m ³
Formaldehyde measurement resolution	0.001 mg/m ³
TVOC measurement range	0–1.0 mg/m ³
TVOC measurement resolution	0.001 mg/m ³
Humidity measurement range	0–99% RH
Measurement units	mg/m ³ , % RH
Air quality assessment	AQI with hazard level description
Air quality assessment levels	Excellent / Good / Mild / Moderate / Severe
Display	HD color touch screen
Screen diagonal	2.4 inches
Glass type	Tempered glass
Control	Touch
User profiles	Children / pregnant women / elderly people
Power supply	1000 mAh lithium battery
Charging method	Docking station / USB
Operating mode	Mobile and stationary
Additional parameters	Audible alarm, Active ventilation, Data logging, Clock, Sleep mode, Formaldehyde reduction calculator

GPSR Link: https://psr-assets.innpro.pl/tools/sg_tools_measuring_tools.pdf, Net weight: 196, Box length: 11,00, Box width: 6,50, Box height: 11,00, Gross weight: 310, PPWR: <https://ppwr.innpro.pl/fnirsi>

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