



**EASTERN
ENERGY**

HCHO&TVOC Tester User Manual



**Please read this manual before switching the unit on.
Important safety information inside.**

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Contents	Page
1. Introduction.....	3
2. Features.....	3
3. Front Panel Description.....	4
4. Indicator.....	5
5.Specification.....	6
6 Powering the Meter.....	6
6-1. Powering the Meter.....	6
6-2. Auto Power Off.....	6
7. Operation.....	7
7-1. Test the HCHO and TVOC of the Air.....	7
7-2. Alarm Setup Mode.....	7
7-3. Shortcut Key.....	7

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1. Introduction

This formaldehyde Tester is a real-time measurement of formaldehyde and TVOC tech products to meet a variety of occasions air pollution measurement needs, timely responses air pollution. This instrument has a professional measurement accuracy, fast response, sensitive product is compact, easy to carry, suitable and home, offices, factories, hotels and schools and other indoor environments, can be displayed at any formaldehyde in the air and the concentration of TVOC, and calculate the value of API(Air Pollution Index).

2. Features

- Fuel Cell. Formaldehyde sensor, high accuracy and reliability
- LCD display with backlight
- Real-time display the concentration of formaldehyde in the air
- Real-time display the concentration of TVOC in the air
- Two detection unit selectable (PPM,mg/m³)
- Display the air pollution index
- Sound and Light alarm when pollution
- Auto power off

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3. Front Panel Description

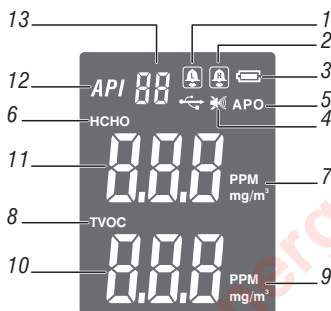
- 1-HCHO Detection mouth
- 2-LCD Display
- 3-Up Button
- 4-ON/OFF Button
- 5-Down Button
- 6-AC Adapter Interface
- 7-TVOC Detection Mouth
- 8-Battery Cover



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4. Indicator



- 1-Low Alarm indication
- 2-High Alarm indication
- 3-Battery indication
- 4-Buzzer indication
- 5-Auto power off indication
- 6-HCHO Test indication
- 7-HCHO Unit indication
- 8-TVOC Test indication
- 9-TVOC Unit indication
- 10-Display the Value of TVOC
- 11-Display the Value of HCHO
- 12-API indication
- 13-Display the Value of API

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5. Specification


Sensor	Professional fuel cell sensor
HCHO Range	0.00 to 5.00mg/m ³ (or PPM)
Resolution	0.01mg/m ³ (or PPM)
Basic Accuracy	± 5%F.S
TVOC Range	0.00 to 9.99mg/m ³ (or PPM)
Resolution	0.01mg/m ³ (or PPM)
Basic Accuracy	± 5%F.S
Response time	≤ 2s
Operating Temperature	0°C to 40°C
Storage Temperature	-10°C to 60°C
Power supply	Rechargeable battery
Battery Charge Time	About 2 hours with AC adapter
Weight	584g.
Size	165mm × 60mm × 25mm

6 Powering the Meter

6-1. Powering the Meter

6-1-1. Press the  button to switch on the meter.

6-1-2. If the instrument displays  indicates the low voltage or unable to power on the meter, please connected to the power source to recharge the battery, the instrument can work normally.

6-1-3. Pressing the  button and holding for about 3 second to switch off the meter. The LCD will Display “3,2,1..OFF” and then switch off.

6-2. Auto Power Off

The meter enters sleep mode after 30 minutes of inactivity. Press any function button to prevent the meter from powering off. The auto power off time-out is then reset.





7. Operation

7-1. Test the HCHO and TVOC of the Air




According to the switching power supply after open the instrument, instrument of the main display shows the value of HCHO, the instrument is work on and the main display show the measuring value, The second display show preheat countdown of TVOC, countdown time depending on the environment to 90 seconds from 10 seconds intelligent change. The second display show measuring value of TVOC after the TVOC warm-up.

7-2. Alarm Setup Mode



7-2-1. Low Alarm Setup

Pressing  button and holding for 3s will enter the setting alarm mode, The Low alarm icon will display, and the main display will shows the low alarm value. Press  or  to adjust the low alarm value. Finish adjusting and press the  button to enter the High alarm setup mode.

7-2-2. High Alarm Setup

Finish adjust the Low alarm value, the meter enter the High alarm setup mode. Press  or  to adjust the high alarm value. Finish adjusting and press the  button to return the measure mode.

7-3. Shortcut Key

There are two shortcut keys. In the main interface mode, press the  button to switch the alarm or not, press the  to switch different units directly.

Note:

- The instrument should not be stored or used in environments containing corrosive gases
- Be careful not to cover the mouth when used to detect
- In order to measure accurately, the meter needs to be tested after warm-up.