

Air Quality Monitor Instruction Manual

Product Specifications

Display method: Large screen color LCD display
 Atmospheric pressure: 86Kpa - 106Kpa
 Product Size: 164*74*26MM
 Product weight: 233g
 Detection temperature: -10°C to 50°C
 Relative humidity: 20% - 85%
 Storage temperature: -10°C to 60°C
 Concentration unit for HCHO and TVOC: mg/m³
 Concentration unit for CO₂: ppm
 Power source: Lithium battery with 2000 mAh capacity, 5V DC power charging via micro USB port

TEST RANGE:
 1. CO₂ test concentration range: 0-5000ppm
 2. PM2.5 test concentration range: 0-999 ug/m³
 3. HCHO formaldehyde test concentration range: 0-1.999mg/m³
 4. TVOC test concentration range: 0-9.999mg/m³

Product Description

This product is a multifunctional air quality detector that detects CO₂, Formaldehyde (HCHO), Total Volatile Organic Compounds (TVOC), Particulate Matter <2.5 micron-sized particles (PM2.5), Temperature, and Humidity with clock and record function. As a scientific air quality detection device, it combines multiple air sensors with a built-in fan to allow real-time monitoring of CO₂, formaldehyde (HCHO), total volatile organic compounds (TVOC), PM2.5 (P10), temperature, and humidity on its digital LCD display.

Considerations
 Please read the instructions carefully before using this device. Please keep the manual handy for quick reference and troubleshooting.

Precautions
 Avoid covering the air intake areas during use to avoid inaccurate measurements.
 Avoid use of solvents to clean the product as residual fumes will skew air quality readings.
 Avoid water or other liquids near the product to avoid electrical damage.
 Do not allow unauthorized modification or repair of this product.

Features:
 - 2.8" color liquid crystal display (LCD), 320*240 pixels
 - User adjustable alarm threshold for formaldehyde (HCHO) to alert user of elevated levels
 - Test variables: CO₂, PM2.5, P10, formaldehyde, TVOC, temperature, humidity
 - Large 2000mAh capacity Lithium battery
 - On-board fan to draw in ambient air for more accurate real-time results
 - 5V Micro USB charging
 - Low battery warning

Instructions:

(1) Start Up
 When you long-press the power button, the air quality monitor will boot up. Detector will proceed through its warm-up sequence for about minutes to allow sensors to preheat and fan to draw in fresh ambient air. Picture below:



1) Power on / off button, used to confirm highlighted options or to turn device on/off by pressing for 3 seconds.
 2) Menu Button, used to call up the dialog box for adjusting various parameters.
 3) Exit / ESC button, used to exit from menus
 4) Up / Switch / Increase Button, used to scroll between interfaces or navigate within menus
 5) Down / Switch / Decrease Button, used to scroll between interfaces or navigate within menus
 6) LCD screen, display various parameters.
 7) USB Charging Port

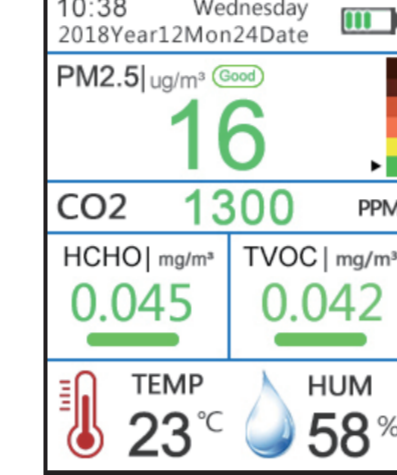
HCHO (formaldehyde) ideal range: <= 0.10 mg/m³ (0.08 ppm/m³)
 TVOC ideal range: <= 0.6 mg/m³ (0.45 ppm/m³)
 The formaldehyde alarm threshold can be set to 0.080, 0.100, 0.300 or 0.600 mg/m³. If levels of HCHO exceed the set formaldehyde alarm threshold, the device will alarm with short beeps.

(2) Shutdown:
 Press and hold the power button for 3 seconds, hear a tone and then turn it off after releasing the hand.

Picture below:

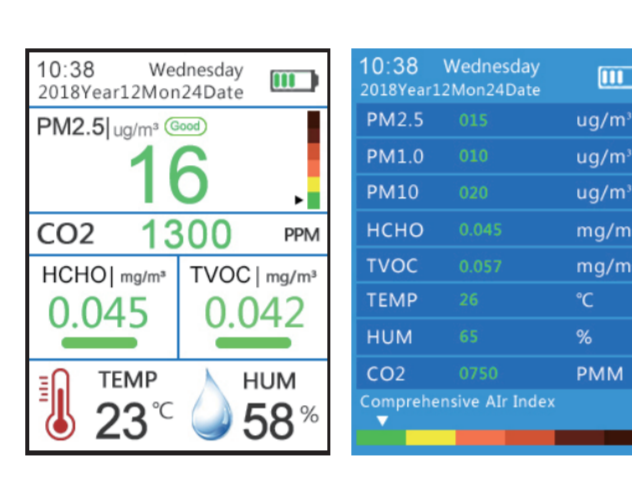


(3) Detection:
 Device enters the detection interface after booting:



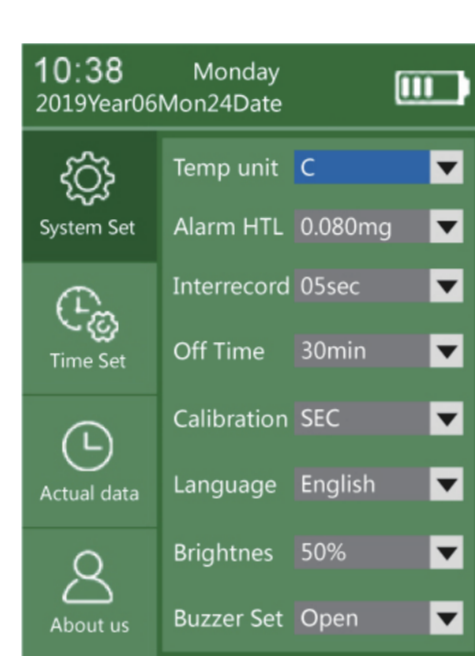
Reminder:
 HCHO (formaldehyde) ideal range: <= 0.10 mg/m³
 TVOC ideal range: <= 0.6 mg/m³
 The formaldehyde alarm threshold can be set to 0.08mg/m³, 0.1mg/m³, 0.3mg/m³, 0.6mg/m³. If levels of HCHO exceed the set formaldehyde alarm threshold, the device will alarm with short beeps.

(4) Operation:
 1. Switching Among Data Display Formats (Figure 1-2)
 Press the up or down buttons to switch among data display formats (figures 1-2) that displays air quality readings in various formats



Press menu button to enter the setting interface. Switching Among different setting interfaces by pressing menu button again.

2. System set:



(1) Temperature Unit
 Navigate to "Temp Unit" using up/down buttons to select C or F, after selection, press power button again to confirm your setting.

(2) Alarm HTL
 Navigate to "Alarm HTL" using up/down buttons set the Alarm level, there are 4 kinds of alarms Levels, (0.08mg/m³, 0.1mg/m³, 0.3mg/m³, 0.6mg/m³), after your setting, please press power button again to confirm this setting.

(3) Interval time
 Navigate to "Interval" using up/down buttons, press power button to enter setting, there are several interval times:
 "5 seconds, 15 seconds, 30 seconds, 60 seconds, 5 minutes, 15 minutes, 30 minutes, 60 minutes" after your selection, please press power button to confirm this setting.

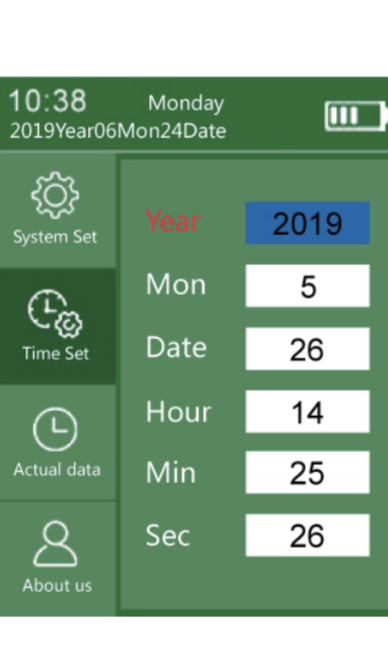
(4) Off Time
 Navigate to "Off Time" using up/down button, press power button to enter. Choose between the following options with up/down buttons to select off time: "Never", "30 minutes", "60 minutes", "90 minutes" after selection, please press power button to save setting.

(6) Language
 Navigate to "Language" using up/down button, press power button to enter, switching using up/down button, choose between the following options "Chinese", "English", after selection, press power button to save this setting.

(7) Brightness:
 It is the Brightness of background, Navigate to "Brightness" using up/down button, press power button to enter, Choose between the following options with up/down buttons: "10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%", then press power button to save setting.

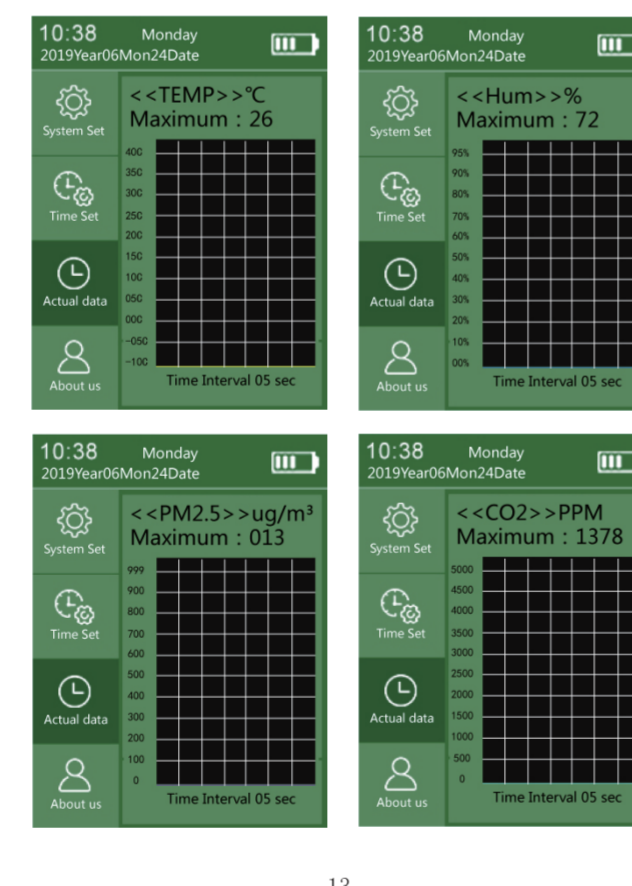
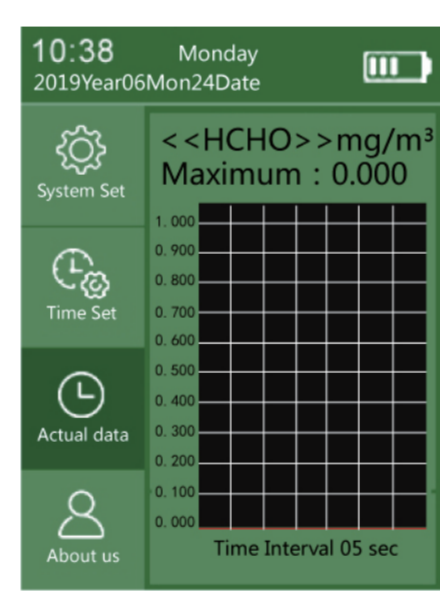
(8) Buzzer set:
 Navigate to "Buzzer set" using up/down button, press power button to enter, Choose between the following options with up/down buttons: "Close", "Open", then press power button to save setting.

4. Time Setting:
 Press the Menu button, Navigate to "Time set" using men button, press power button to enter using up/down button to increase/ decrease the value, after each selection, press the power button to save setting.



5. History record
 Press the Menu button, Navigate to "History" using menu button again, Press up and down button to switch to view the Graphs show the last 30 data values of CO₂, PM2.5, Formaldehyde, Temperature, Humidity.

As shown:



6. About us
 Press menu button, Navigate to "About us" using menu button again, to introduce the relevant knowledge points.



7. About Charging
 When low battery icon is displayed, the device needs to be charged. Insert the included or another compatible micro USB charging cable into the device. Attach the other end to a USB DC charger (such as a smartphone charger) that outputs DC 5V at >= 1000mA. Fully charge for at least 2-3 hours before use. Avoid charging with a USB computer port which only outputs 500mA.

8. Description of accessories:
 Device ----- 1 pc
 USB cable ----- 1 pc
 English Manual ----- 1 pc

Air composite index classification

HCHO Level	PM2.5 Level
0-0.80	0-35
0.081-0.100	36-75
0.101-0.200	76-150
0.201-0.300	151-200
0.301-0.500	201-300
0.500-1.999	301-999