Ozone Meter Instruction Manual

Product Description

This advanced detector integrates ozone concentration, temperature, and humidity detection, using advanced sensors to ensure accurate measurement of ozone concentration to tiny units. Whether it is the presence of low concentrations of ozone or potential threats at high concentrations, they can be keenly captured to provide you with reliable data support. Once the ozone concentration exceeds the safe range, a clear sound alarm will be immediately issued, allowing you to quickly take measures to ensure personnel safety and environmental quality. Lightweight and portable appearance design, high-end suitcase packaging, convenient for you to carry to any place that needs to be tested. With historical recording function, it automatically stores detection data for a period of time, allowing you to easily trace the ozone concentration changes in air.

Description of accessories

Item	Quantity
Device	1
USB cable	1
English Manual	1
Suitcase	1

Figure 2

01	Date Time	02	Alarm
03	Battery	04	Ozone (O3) Value
05	Ozone (O3) Level	06	Temperature
07	Humidity	08	Exit Button
09	Power Button	10	Up Button
11	Down Button	12	Menu Button
13	Air inlet	14	Back Bracket

Instructions

(1) Start Up

Long-press the power button, the ozone meter will boot up.

Note : If you can't turn on the monitor, please plug in and charge it for a while first.

(2) Shutdown:

In the power on state, press and hold the power button for 3 seconds to turn it off.

Note : To ensure the accuracy of readings, please keep the product standing when using it and do not lay it flat, which may block the ventilation opening.
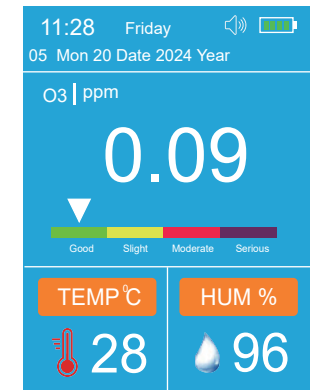
(3) Operation:

Data Display Format (Figure 1):

Figure 1

System set

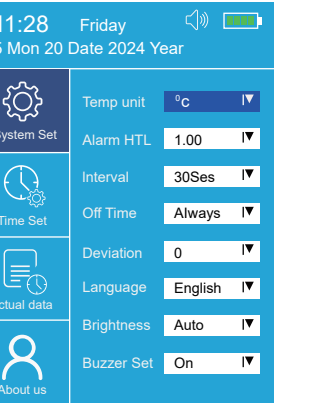Press Menu Button to enter the settings interface (Figure 2)

Figure 2

(1) How to Switch Temperature Unit

(1) Navigate to "Temp Unit".
(2) Short press power button one time.
(3) Using up/down buttons to select °C or °F.
(4) After selection, short press power button one time again.
(5) Then temperature unit setting is complete.

(2) How to adjust O3 alarm threshold

(1) Navigate to "Alarm HTL".
(2) Short press power button one time.
(3) Using up/down buttons to select the alarm threshold options :
    1.00ppm, 2.00ppm,4.00ppm, 8.00ppm.
(4) After selection, short press power button one time again.
(5) Then O3 alarm threshold is adjusted completely.

Note 1: The O3 Meter was designed with a built-in Ozone (O3) alarm, this O3 alarm beeps when the O3 ozone levels surpass the threshold which you set.

Note 2: The O3 alarm's default setting is ON . The O3 alarm can be turned on or off by setting Buzzer "off / on ". Exposure to less-than-optimal O3 levels for an extended period of time may not be healthy and it is therefore recommended to keep this O3 alarm function turned on.

Note 3: If you have elected to keep the " Buzzer Set " on, please be aware that the O3 alarm will stop beeping automatically even when O3 levels are still above your specified threshold if the O3 levels are decreasing.

(3) Interval time

(1) Navigate to "Interval ".
(2) Short press power button one time.
(3) Using up/down buttons to select the time options : 10 seconds, 30 seconds, 60 seconds, 10 minutes, 30 minutes, 60 minutes.
(4) After selection, short press power button one time again.
(5) Then the interval time is setted completely.

Note : There are 6 interval time for Option : 10 seconds, 30 seconds,60 seconds,10 minutes,30 minutes,60 minutes.

(4) Off Time

(1) Navigate to"Off Time".
(2) Short press power button one time.
(3) Using up/down buttons to select the time options :
    Always,30 minutes,60 minutes.
(4) After selection, short press power button one time again.
(5) Then the Off Time is adjusted completely.

(5) Temperature Numerical Compensation Settings

(1) Navigate to "Deviation".
(2) Short press power button one time.
(3) Using up/down buttons to select the options :
    " 0,+1,+2,+3,+4,+5,-5,-4,-3,-2,-1 ".
(4) After selection, short press power button one time again.
(5) Then the temperature compensation is adjusted completely.

Note : Temperature compensation is used to compensate forerrors in the measurement process.

(6) Language

(1) Navigate to "Language".
(2) Short press power button one time.
(3) Using up/down buttons to select the options :"Chinese,English".
(4) After selection, short press power button one time again.
(5) Then the Language is completely setted.

(7) How to adjust the Brightness :

(1) Navigate to"Brightness".
(2) Short press power button one time.
(3) Using up/down buttons to select the options :
    "Auto, 30%, 50%, 80%".
(4) After selection, short press power button one time again.
(5) Then the Brightness is completely adjusted.

(8) Buzzer set :

(1) Navigate to "Buzzer set".
(2) Short press power button one time.
(3) Using up/down buttons to select the options :"Off , On ".
(4) After selection, short press power button one time again.
(5) Then the setting is complete.

Note : If the the "Buzzer Set" is in the off state, the alarm will not be activated even the Ozone (O3) concentration reaches the (set) alarm threshold.

Time Setting

Press the Menu button, Navigate to " Time set " using Menu 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.
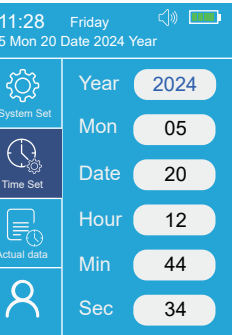

Figure 3

History record

Press the Menu button, Navigate to " Actual data " using menu button again, Press up and down button to switch to view the Graphs.

Note : These graphs are historical records of O3, Temperature, and Humidity.
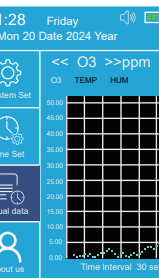
As shown:
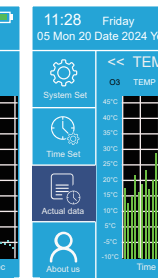

Figure 4   Figure 5   Figure 6
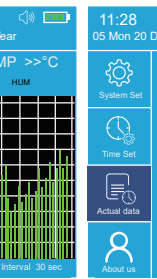
About us

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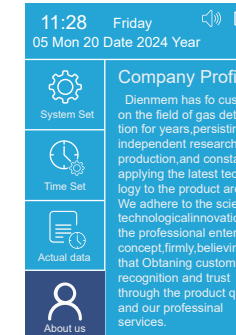

Figure 7

Product Specifications

Product Size	164 x 74 x 26mm(6.4 x 2.9 x1Inches)
Product Weight	210g (7.4 oz)
Display Method	LCD Screen
Measure	Ozone, Temperature, Humidity
Detection method for O3	Electrochemistry
Concentration unit for O3	ppm
Test range	0.00~50.00ppm
Atmospheric Pressure	12.5 PSI- 15.4 PSI
Sampling Time	1.5 Seconds
emperature Range	-10°C-50°C(14°F-122°F)
Storage Temperature	-10°C-60°C(14°F-140°F)
Relative Humidity	20%-85%
Humidity Range	20%-85%
Power Source	1500 mAh Rechargeable Lithium battery, Charging via Micro USB Port

Prameters

	Measurement Range	Measurement Method	Resolution	Measurement Accuracy
Ozone (O3)	0.00-50.00ppm	Electrochemistry	0.05ppm	±10%
Temperature	-10°C - 50°C (14°F - 122°F)	Semiconductor	1°C 0.1°F	±2°C ±2°F
Humidity	20% - 85%	Semiconductor	1%	±4%

AQI(O3 concentration):

	Good	Slight	Moderate	Serious
AQI Level Indicator	0~1.00	1.01~3.00	3.01~10.00	10.01-50.00