OL0119-G32
User Manual

version:1.0.22

From Win-Global Technology

CO$_2$ Traffic Light

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OL0119 device introduction

● Please turn on the power to charge, OL0119 will be shown with a green light.
Device off / Device on / 🔇 Device on and Mute

● The light matches the color range will continue to display When powered by USB.

● Battery Powered Mode (Factory Setting)
The CO_2 concentration is within the range of the green light, the light is displayed every 60s.
The CO_2 concentration is within the range of the yellow light, the light is displayed every 30s.
The CO_2 concentration is within the range of the red light, the light is displayed every 15s.
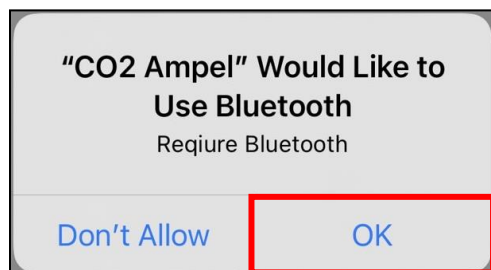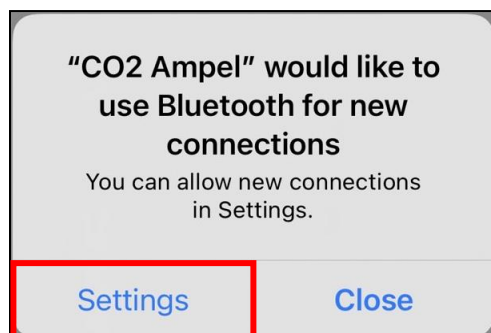
Please choose on or 🔇 when charging.　　　　Continuous green light shows when charging.

Require Bluetooth Permission

"CO2 Ampel" Would Like to Use Bluetooth
Reqiure Bluetooth

Don't Allow | OK

Please press the "OK" option.
(Bluetooth scan permission, only ask when opening the program for the first time)

"CO2 Ampel" would like to use Bluetooth for new connections
You can allow new connections in Settings.

Settings | Close

If Bluetooth function is not enabled, a pop-up window will appear. Please press the" Settings" button, another pop-up window shows the Bluetooth control page.(Pic. 3)

10:50
◄ CO2 Ampel
‹ Settings   **Bluetooth**

Bluetooth ⬤

Allow New Connections
New Bluetooth connections have been turned off from Control Center.

Please press "Allow New Connections"

Connect to OL0119

1. Swipe right on the selected OL0119 device. Then press the "Select" button to complete the selection action.

2. Select one device[Setting] :
   After pressing the "Select" button, the Change Device Name window will pop up. Then you will be taken to the login page.

3. Select one device[Advertising] :
   After pressing the "Select" button, the Change Device Name window will pop up. Then you will be taken to the setting page. (*The advertising state can not set parameters for the device)

▲The advertising state can not set parameters for the device.
▲User can press 🔵 to rescan OL0119 device.

Change Device Name
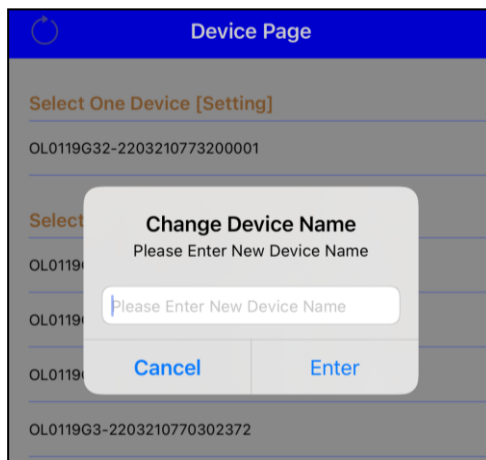
After pressing "Select", you can do the following:

1. Click the "Cancel" button :
   - Use current device name

2. Click the "Enter" button :
   - If there is no text, the device name will revert to the device serial number.
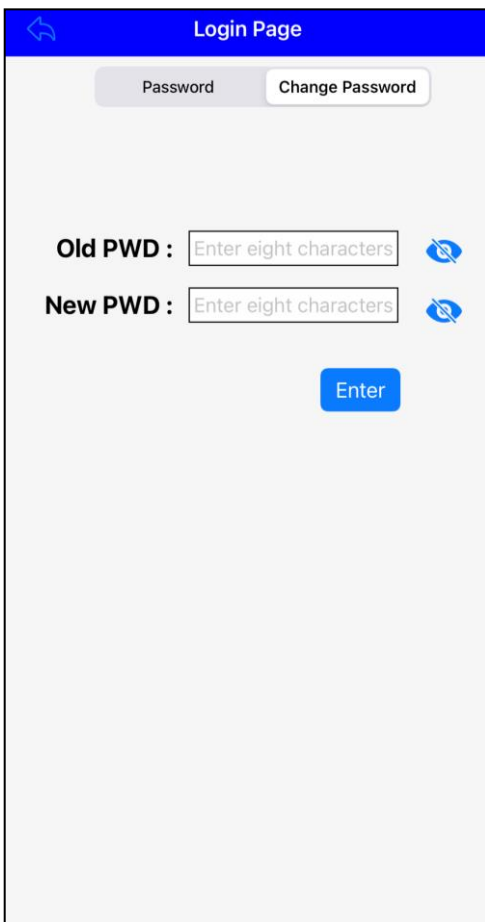   - If there are words, the device name will be replaced.

Login Password

Login Password：

1. User needs an eight-character password to connect to the OL0119.
   (Default Password : 12345678)

2. Press "Enter" to connect OL0119 If the password is correct then you will be taken to the setting page.

Change Password

1. Old password :
   User needs enter the original
   password (Default Password : 12345678)

2. New password :
   User needs to enter new eight character password.

3. Press "Enter" to connect OL0119
   If the password is correct then user will be taken to
   the setting page.

Set Timeout

Setting Page
Device Name： workplace(00001)
Device Setting
EWS–Level   Level 1

Timeout
The set time has exceeded two minutes.

Go back to Device Page

Setting Done

Device Page
Select One Device [Setting]
Select One Device [Advertising]
OL0119G3-2203210770302372
OL0119G32-2203210773200181
OL0119G3-2203210770302371
OL0119G31-2203210773100001
OL0119G3-2203210770302373
OL0119G32-2203210773200001

User can select other device.

User has to complete the setting flow within two minutes.
If the time is exceeded, a pop-up timeout window will appear.

After Timeout windows appears, if user still wants to set the parameters of the device, please turn off the device and click and start over.

Set Parameter

Level 1 / Level 2 / Level 3 / Custom	Set the EWS-Level on the mobile phone.
15 sec / 30 sec / 45 sec / 60 sec	Frequency
Off / On	When you choose "On", turn on the volume.

The indoor ventilation environment is analyzed by Win-Global, and the CO_2 correction coefficient is calculated according to the placement position.

Level 1 / Level 2 / Level 3 / Custom	Set the EWS-Level on the OL0119 device.

Swipe to select other items

Setting Page

Device Name： OL0119G32-2203210773200001

Mobile Setting

EWS–Level	Custom
Data Update Time	15 sec
Mobile Alert	Off
CO2 Modified COE	1
Beaufort Wind Scale	0

Device Setting

EWS–Level	Custom
Alert Limit	2000
LED Red Cycle	15 s
Red Limit	2000
LED Orange Cycle	15 s

Setting Done

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Setting done ?

No   Yes

Epidemic Warning Standards：
Level 1：1500 ~ 2000 ppm
Level 2：1200 ~ 1500 ppm
Level 3：800 ~ 1000 ppm

Set Parameter - Custom

Swipe to select other items

Setting Rules :

    1. Green Limit $<$ Orange Limit $\leqq$ Red Limit

    2. 600 s $\geqq$ Cycle Time $\geqq$ 1 s

Setting Range ：

    RED Limit：1000 ~ 3000 ppm

    Orange Limit：500 ~ 3000 ppm

    Green Limit： 400 ~ 1500 ppm

    Alert Limit ： 400 ~ 3000 ppm

： Turn on the LED light

： Turn off the LED light

Set Parameter - Custom

Alert Limit	2000	
LED Red Cycle	15 s	●
Red Limit	2000	
LED Orange Cycle	15 s	●
Orange Limit	1750	
LED Orange Cycle	30 s	●
Green Limit	1500	
LED Green Cycle	60 s	●

風力級數　　　0　ˇ

●：Turn on the LED light

○：Turn off the LED light

Setting Rules :
   1. Green Limit ＜ Orange Limit ≦ Red Limit
   2. 600 s ≧ Cycle Time ≧ 1 s
Setting Range：
   RED Limit：1000 ~ 3000 ppm
   Orange Limit：500 ~ 3000 ppm
   Green Limit： 400 ~ 1500 ppm
   Alert Limit ： 400 ~ 3000 ppm

There are 5 grades to choose from in the pull-down of the wind power series

Beaufort scale	Name	Describe
0	Calm	Smoke rises vertically
1	Light air	Direction shown by smoke drift ; Still wind vanes
2	Light breeze	Leaves rustle ; Wind vanes begin to move
3	Gentle breeze	Light flags extended ; Leaves and small twigs constantly moving
4	Moderate breeze	Light flags constantly waving ; Dust, leaves, and loose paper lifted ; Small tree branches move
5	Fresh breeze	Light flags constantly waving with sound ; Ripples on inland waters ; Small trees in leaf begin to sway

Measurement Page - CO2
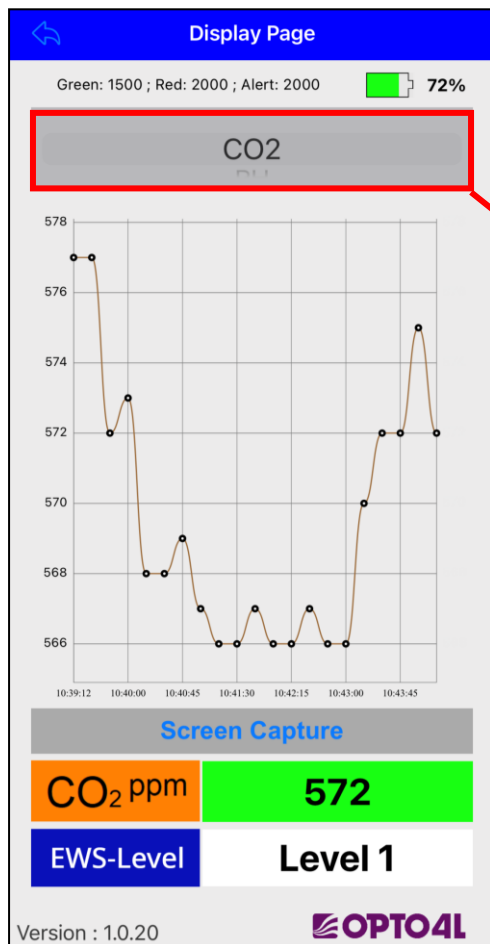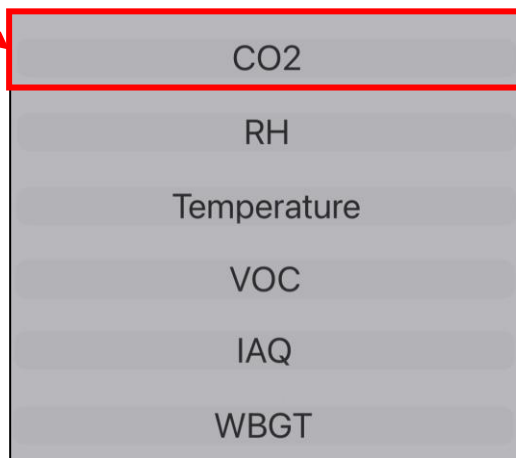

: Back to setting page

Screen Capture : Save Data
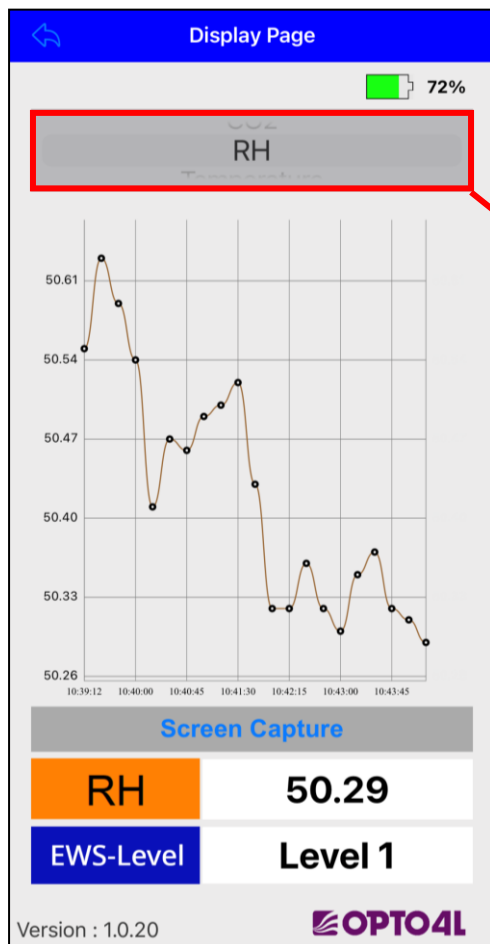
100% : OL0119's power

Item： Select measurement item

Swipe to select other items

Green: 1500 ; Red: 2000 ; Alert: 2000 ： The defined warning value for the model set by the user would be shown on the top.

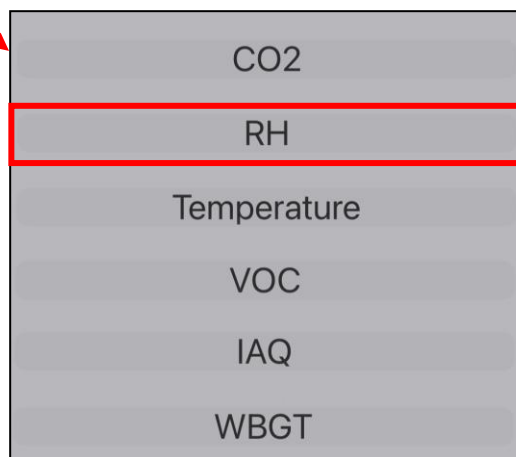# Measurement Page - RH
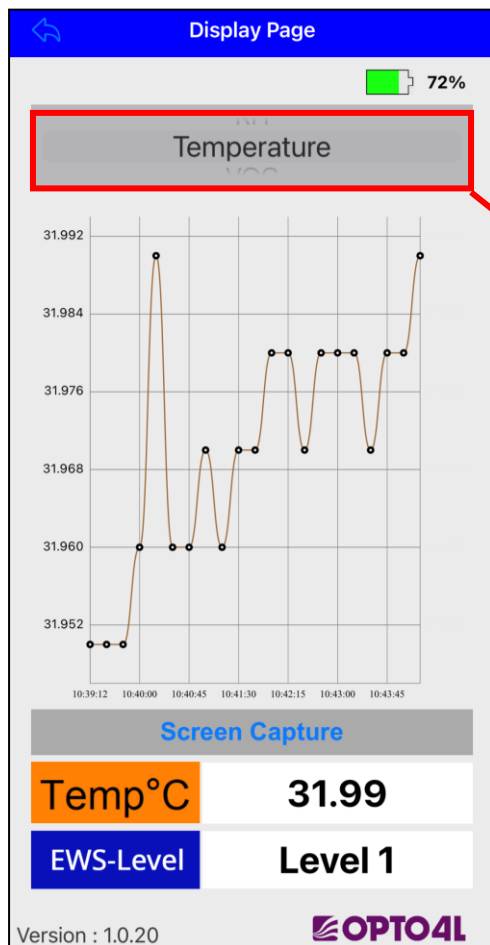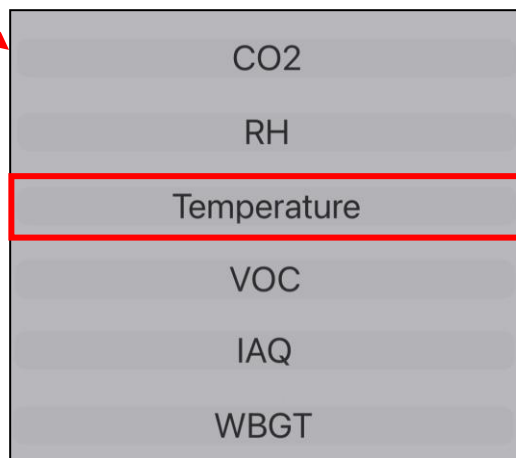

: Back to setting page

Screen Capture : Save Data

100% : OL0119's power

Item： Select measurement item

Swipe to select other items

Measurement Page - Temperature

Display Page

72%

Temperature

31.992
31.984
31.976
31.968
31.960
31.952

10:39:12 10:40:00 10:40:45 10:41:30 10:42:15 10:43:00 10:43:45

Screen Capture

Temp°C	31.99
EWS-Level	Level 1

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OPTO4L

 : Back to setting page

Screen Capture : Save Data

100% : OL0119's power

Item： Select measurement item

CO2
RH
Temperature
VOC
IAQ
WBGT

Swipe to select other items

Measurement Page - VOC

Display Page

72%

Temperature
VOC
IAQ

0.534
0.528
0.522
0.516
0.510
0.504
0.498

10:39:12 10:40:15 10:41:15 10:42:15 10:43:15 10:44:15

Screen Capture

VOC	0.531
EWS-Level	**Level 1**

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OPTO4L

: Back to setting page

Screen Capture : Save Data

100% : OL0119's power

Item：Select measurement item

CO2
RH
Temperature
VOC
IAQ
WBGT
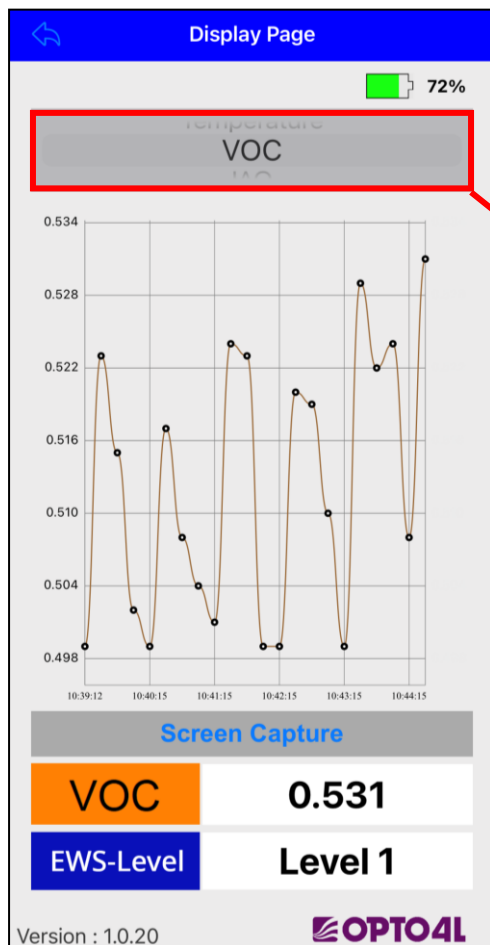
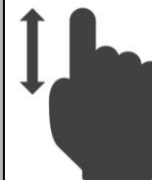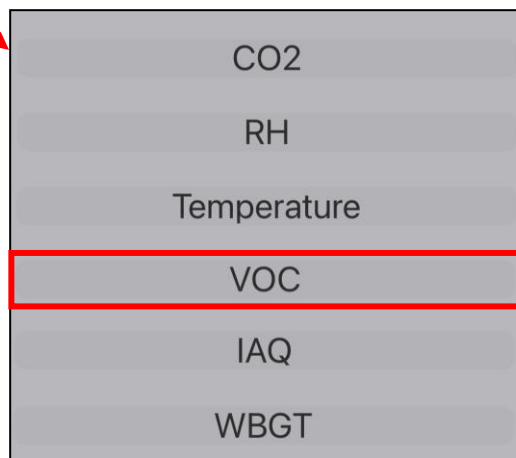Swipe to select other items

Measurement Page - IAQ
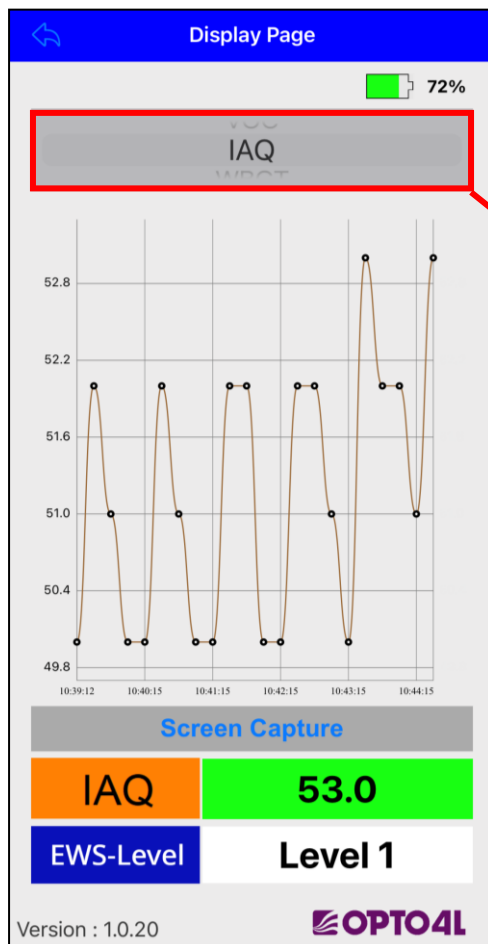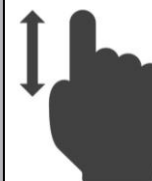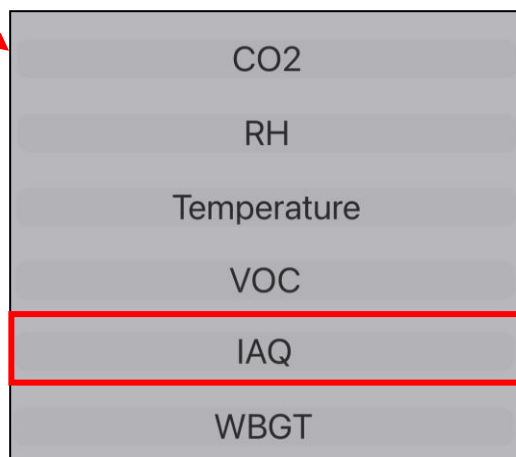

: Back to setting page

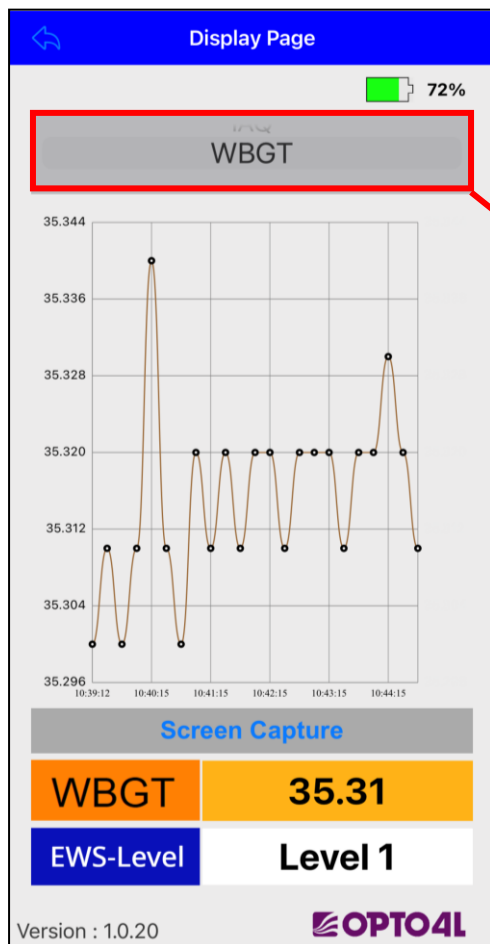**Screen Capture** : Save Data

100% : OL0119's power

Item： Select measurement item

Swipe to select other items

Please refer to Index for Air Quality (IAQ) classification and color-coding

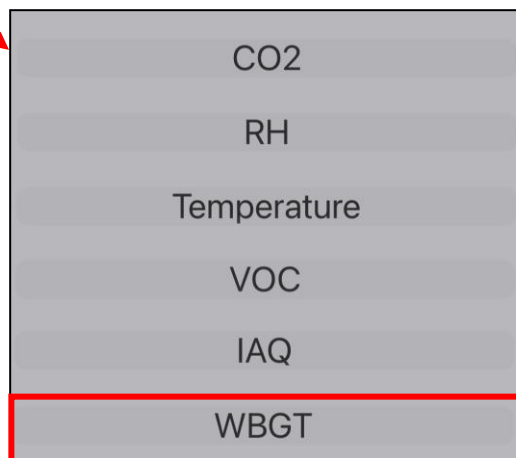# Measurement Page - WBGT

: Back to setting page

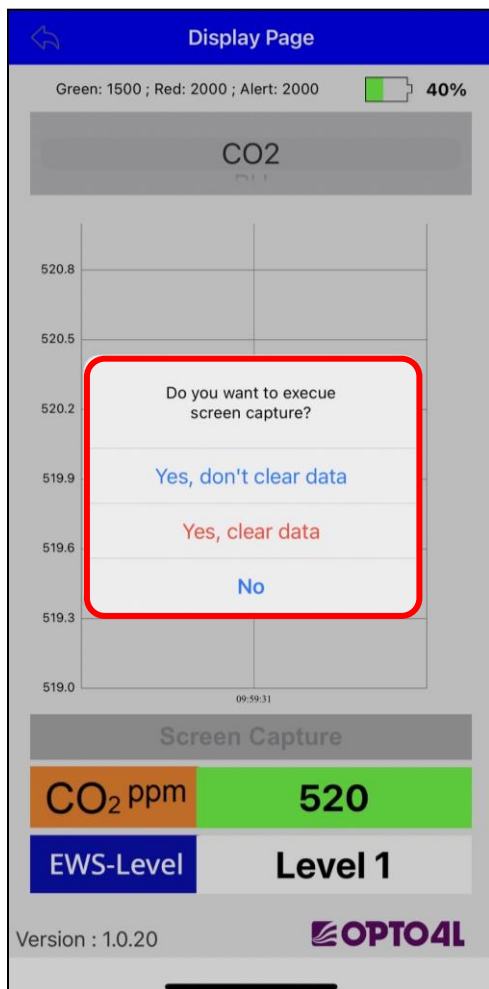**Screen Capture** : Save Data
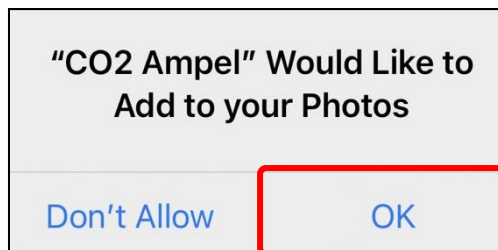
100% : OL0119's power

Item： Select measurement item

Please refer to WBGT classification and color-coding

Save Picture and Require Photos Permission

Click "Screen Capture" **Screen Capture** will pop-up this window.

Please press the "OK" button.
(Photos permission request, only ask when saving the screen capture for the first time)

Picture's Location : Photos -> Screen Shot

Device Parameters Modification

■ When OL0119 is under BLE broadcasting mode, a power reset is required if any user would like to modify the parameters within the device.

■ When switch device, click on the Login or setting page, then one could scan OL0119 devices.

Troubleshooting

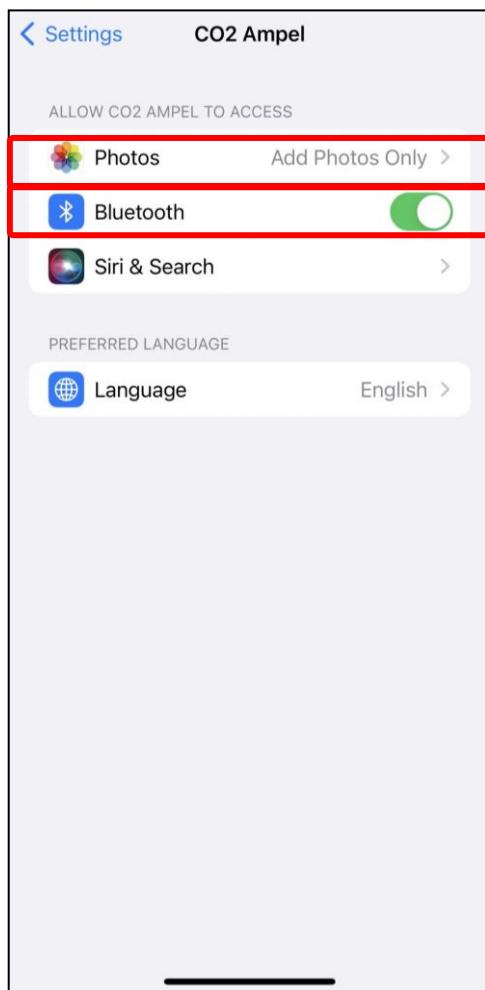Into Settings -> Enable CO2 Ampel' s Bluetooth and Photos permission.

Photos：The screenshot feature in the CO2 Ampel app will work when permission to photo is granted.

Bluetooth：The Bluetooth's scan function will work when permission to Bluetooth is granted and mobile's Bluetooth is enabled.

Epidemic Warning Standards EWS-Level CO_2 limit

2000 ppm

1500 ppm

Level 1

1500 ppm

1200 ppm

Level 2

1000 ppm

800 ppm

Level 3
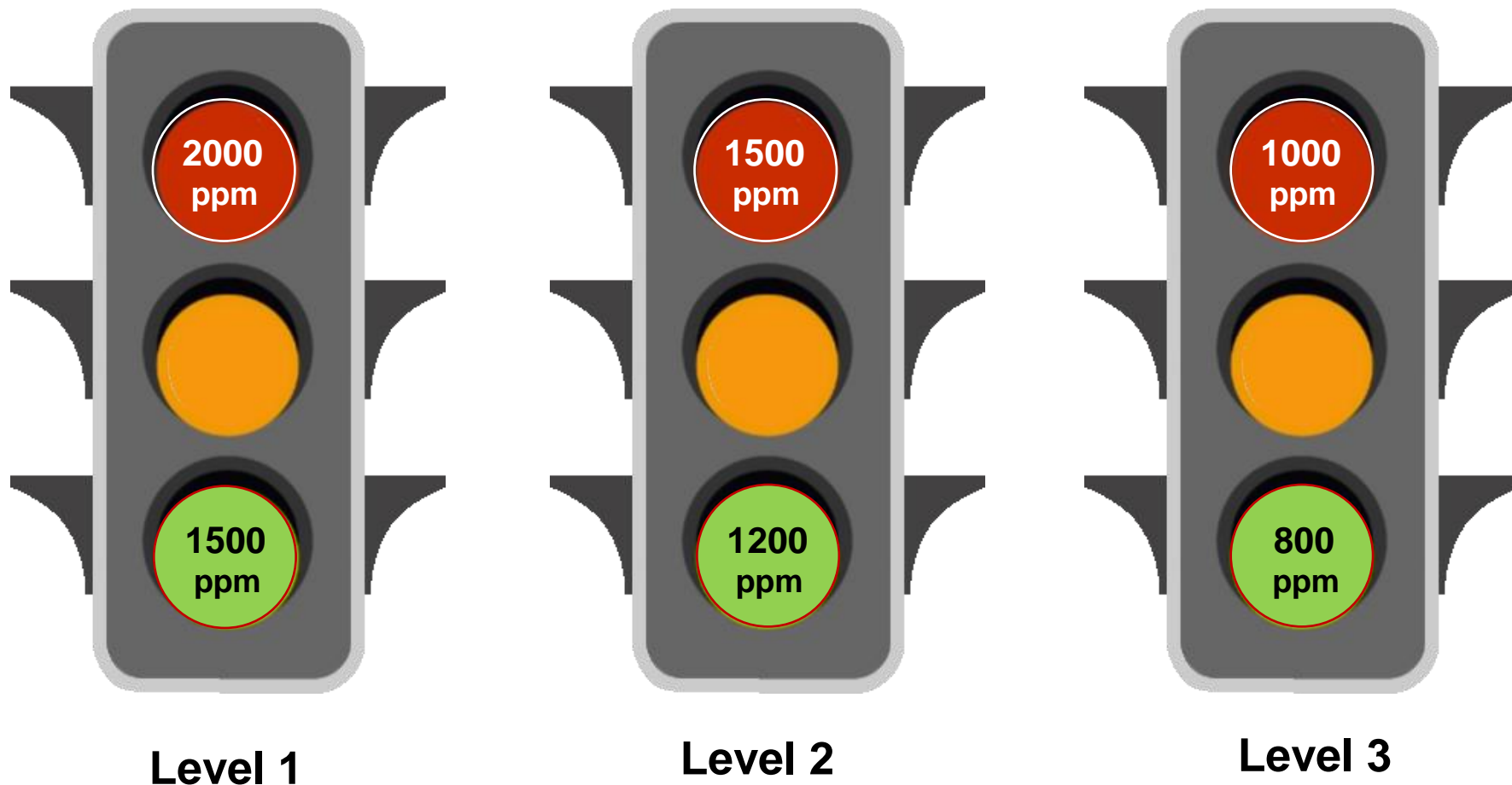
Index for Air Quality(IAQ) classification and color-coding

IAQ Index	Air Quality	Impact (long-term exposure)	Suggested action
> 200	Severely polluted	More severe health issue possible if harmful VOC present	Contamination should be identified if level is reached even w/o presence of people; maximize ventilation & reduce attendance
101 – 200	Moderately polluted	More significant irritation possible	Increase ventilation with clean air
0 – 100	Good	Pure air; best for well-being	No measures needed

WBGT
classification and color-coding

WBGT	Level	Impact
> 40 ℃	Danger	May cause muscle cramps, heat exhaustion ; Prolonged exposure to the sun or intense activity can lead to heat stroke.
32~40 ℃	Caution	Prolonged exposure to the sun or intense activity can lead to heat stroke.
12~32 ℃	Safe	None
10~12 ℃	Caution	May cause non-freezing cold injury.
≦ 10 ℃	Danger	May cause non-freezing cold injury ; May cause frostbite or chilblains.

Beaufort scale

Beaufort scale	Name	Describe
0	Calm	Smoke rises vertically
1	Light air	Direction shown by smoke drift ; Still wind vanes
2	Light breeze	Leaves rustle ; Wind vanes begin to move
3	Gentle breeze	Light flags extended ; Leaves and small twigs constantly moving
4	Moderate breeze	Light flags constantly waving ; Dust, leaves, and loose paper lifted ; Small tree branches move
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