

The logo features a stylized white 'W' with a glowing, elliptical ring passing through it, set against a dark background.

Terminal

User Guide V 2 .0

- ◆ **Introduction**
- ◆ **COM Port Connection**
- ◆ **Continuous**
- ◆ **AT Command**
- ◆ **Modbus RTU**
- ◆ **I2C**
- ◆ **Record Function**
- ◆ **Setting**

Introduction

This program provides users with different functions to demo all of Winson's digital output products.

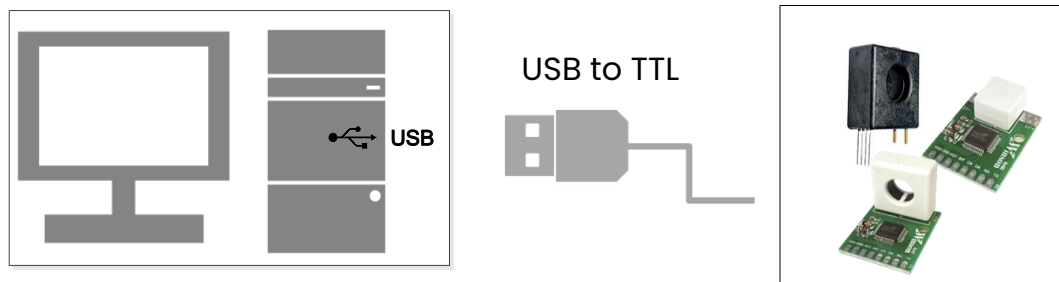
1. Continuous Mode
2. AT Command Mode
3. Modbus Mode
4. I2C Mode

Please see the Function Guide down below. We will show you how to use this program step by step.

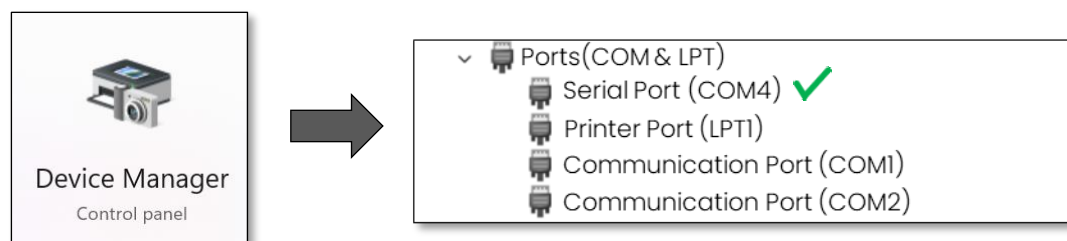
***Plug In the sensor and execute program, the sensor's measure data would show on the screen automatically.**

COM Port Connection

Step1. Connect Winson's digital output products to PC.

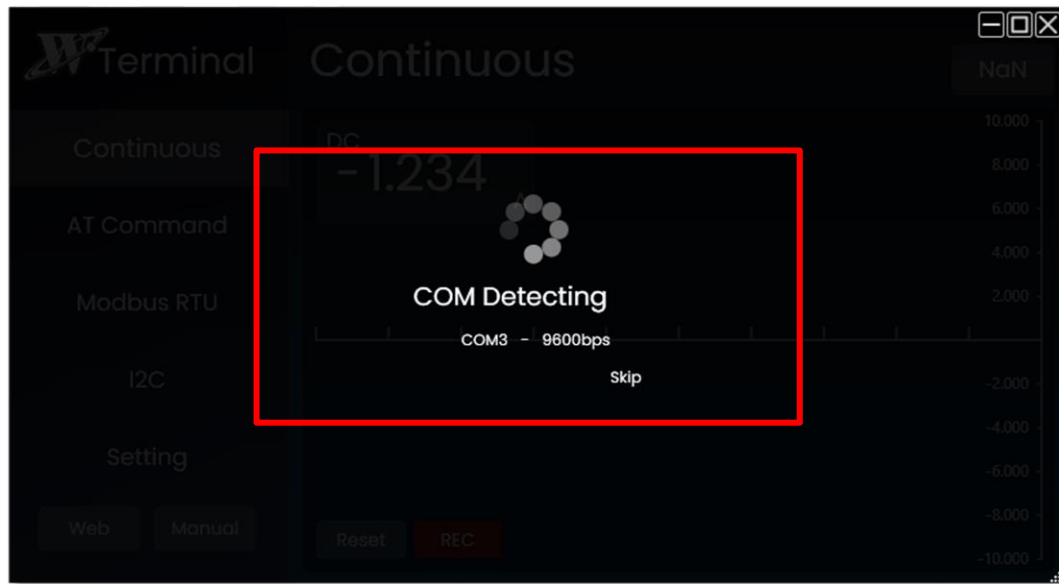


Step2. Check the Serial Port driver is installed successfully.



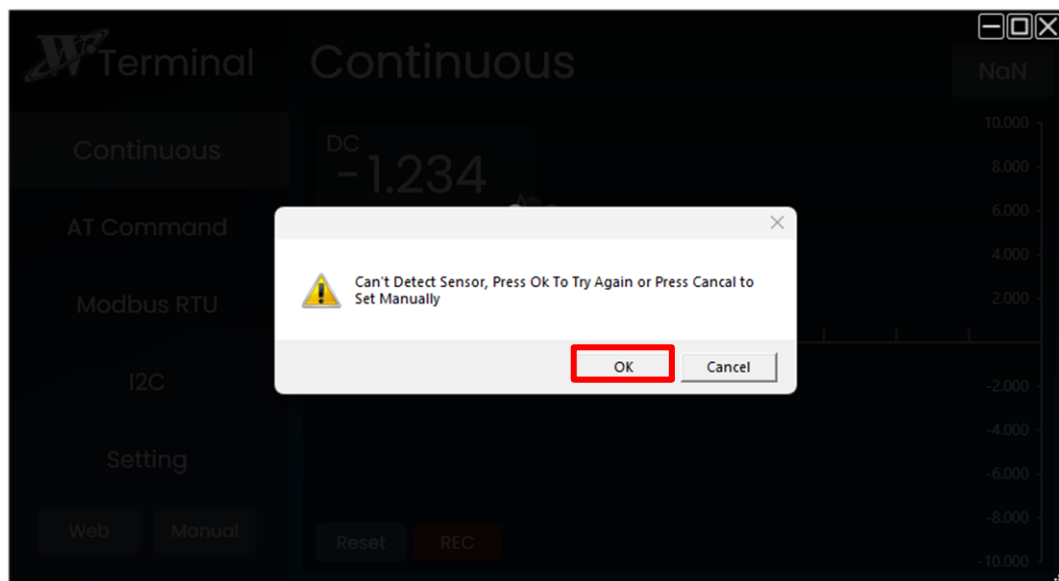
Winson reserves the right to make changes to improve reliability or manufacturability.

Step3. Execute program and wait for program to find the COM Port.



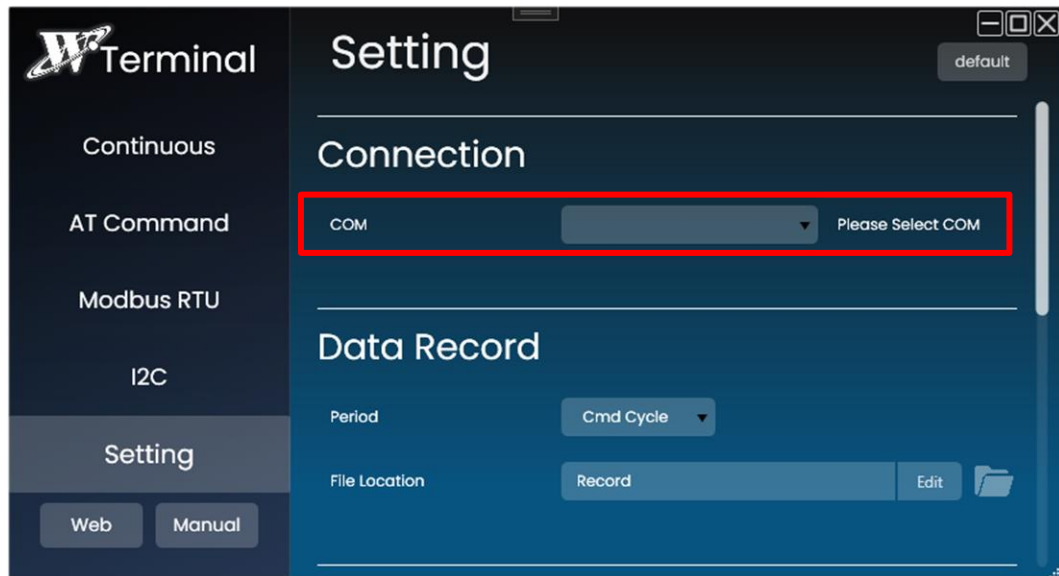
**Please check the sensor is connected correctly.*

If can't find COM Port, Please press **OK** button to rescan the COM Port.



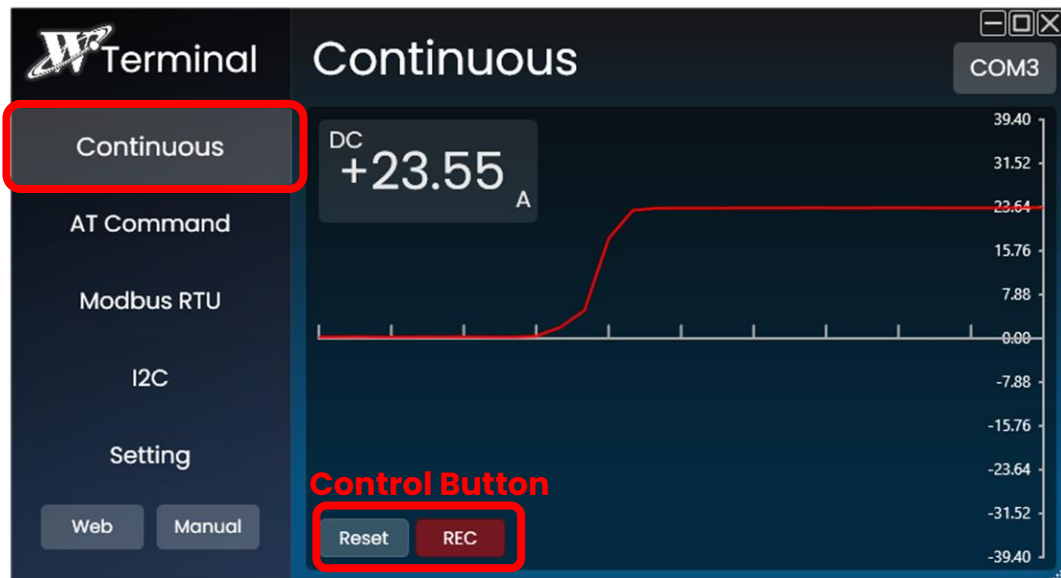
Winson reserves the right to make changes to improve reliability or manufacturability.

You can also set up COM port manually by press **Cancel** button and go to **Setting -> Connection -> COM** to select the COM Port.



Continuous Mode

Select to **Continuous Function**, program will auto display the measure data on the screen and you can press **Reset** button to zeroing the measure current if necessary.



Control Button Description

Reset : Zeroing sensor's measure current.

REC : Record measure data. [See this](#)

AT Command Mode

Select to **AT Command Function**, program will auto display the measure data on the screen. You can also press **Reset** button to zeroing the measure current or press **Mode Select** Combobox to change the sensor's measuring mode.



Control Button Description

Reset : Zeroing sensor's measure current.

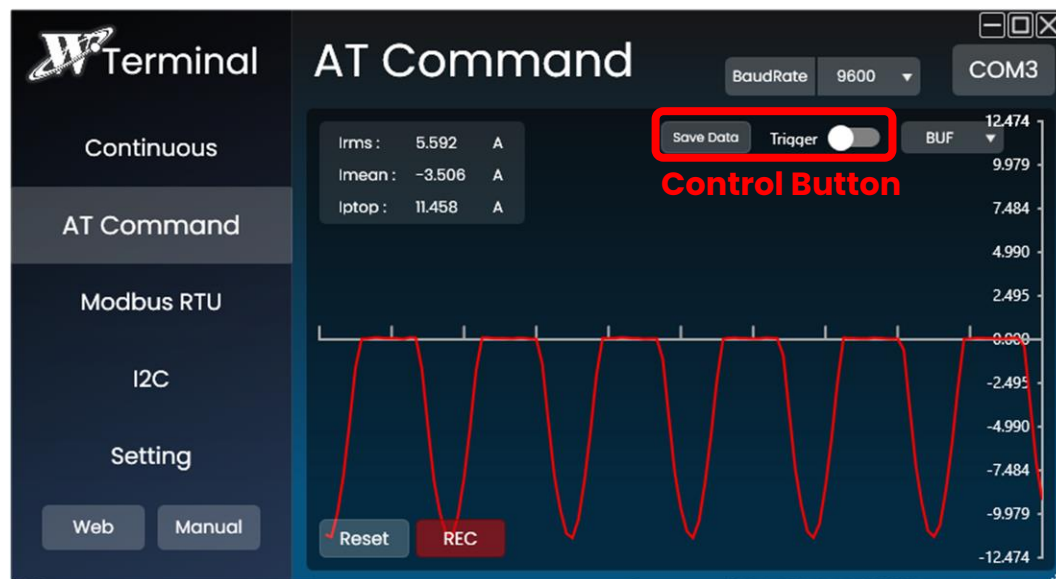
DCA : Change the sensor's measuring mode.

REC : Record measure data. [See this](#)

BaudRate : Change the sensor's Baud Rate.

Buffer Mode

Change Mode to **Buffer Mode**, it allows program to display current data directly from Sensor's Buffer (120 pts). This mode can easily observe the current wave and do more calculation through PC. You can also press **Save Data** button to save the buffer for extra calculation or press **Trigger** button to automatically capture waveform signals for precise observation.



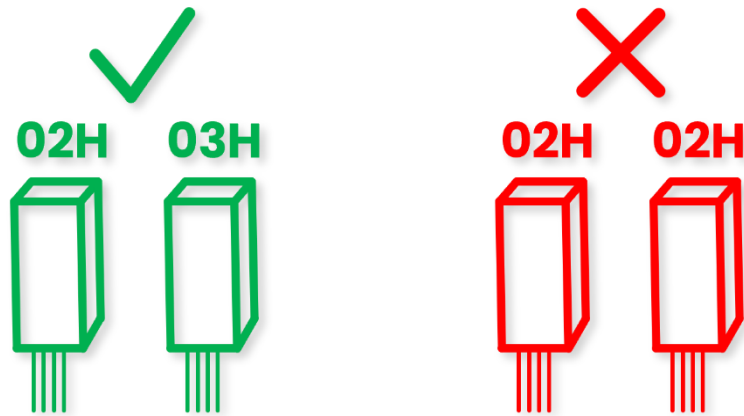
Control Button Description

Save Data : Save Buffer Data.

Trigger ☐ : Capture waveform signals Automatically.

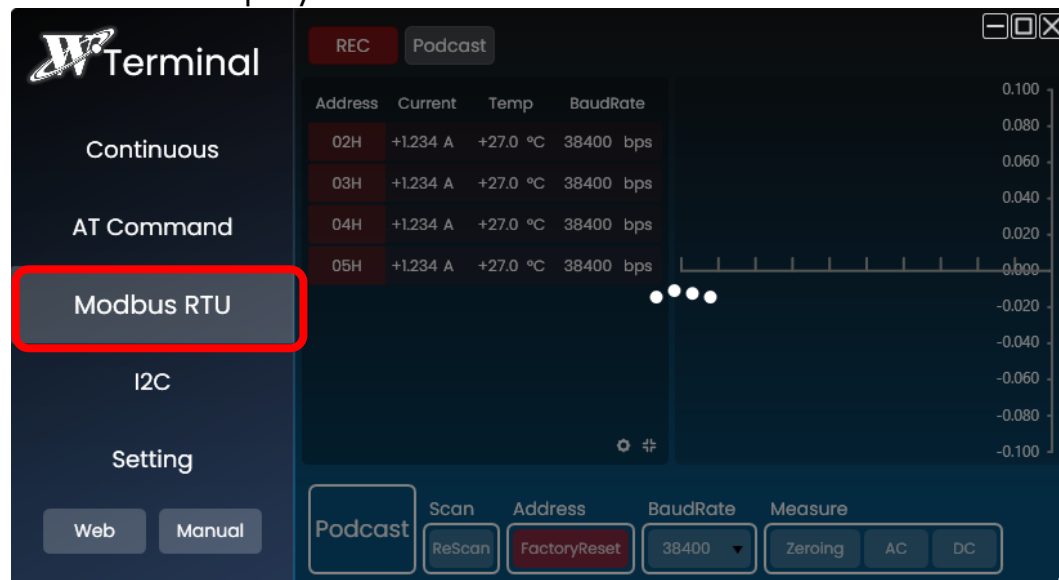
Modbus RTU Mode

Before connect the Modbus Type Sensor to PC, please check all the sensors had its **own unique address**.



※If sensor addresses **conflict** or **duplicate**, please follow instruction [here](#).

Select **Modbus RTU Function**, program will auto scan the existed sensor and display on screen.



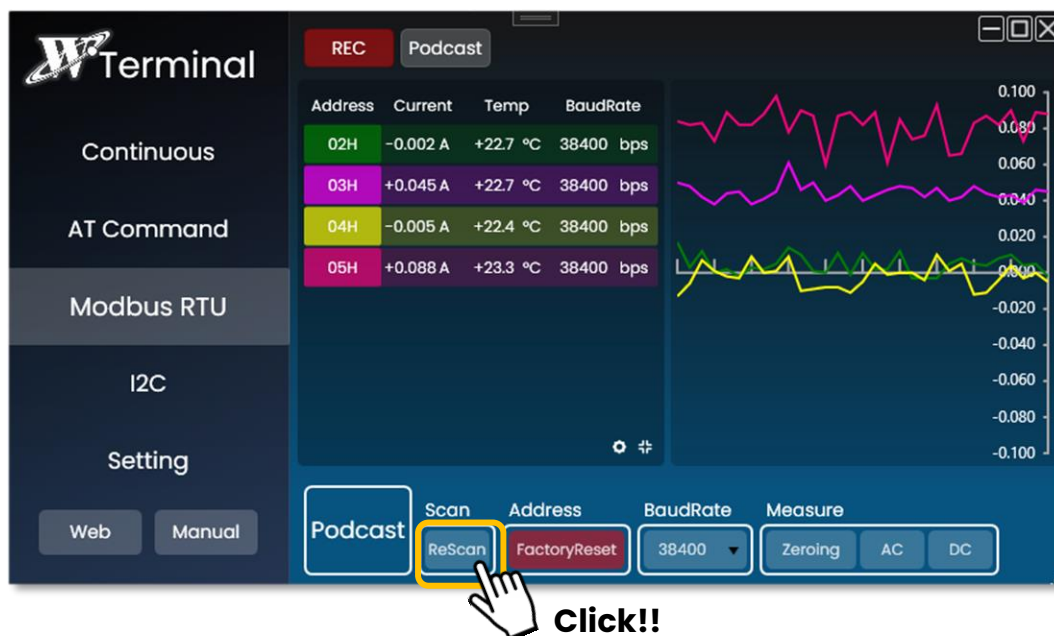
*This default max address is 10H, change address range is Setting if need.

Plug and Play Function

You can plug in sensor with **default address (01H)** during measuring. Program will automatically assign address and add it on screen.



If already set up an address for sensor (**NOT 01H**), you can press **ReScan** button to show it on screen.



***Please make sure that the sensor you plugged in has a different address than the other sensors.**

Winson reserves the right to make changes to improve reliability or manufacturability.

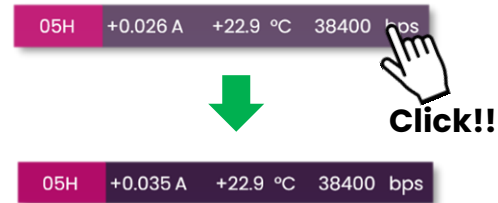
Function Description for Control Panel

Control Method

Click to Select Sensor.



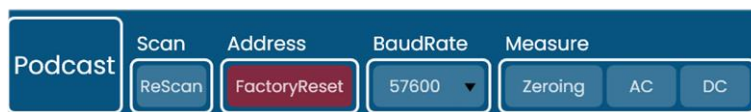
Click Again or **Click Elsewhere** to cancel selected.



* Press Ctrl or Shift during selection can select multiple sensors.

Mode Description

Podcast Mode



Single Address Mode



Podcast Mode: when not select any sensor, Control Panel will default to Podcast Mode. Podcast mode will control **all the sensors** at once, so be caution to use it.



Single Address Mode: select a sensor, Control Panel will change to single address mode. You can specifically control the sensor you selected.

Winson reserves the right to make changes to improve reliability or manufacturability.

Function Button Description

ReScan : Scan Sensor's address from 02H to max address.

FactoryReset : Reset all connected sensor's address to 01H.

Zeroing : Zeroing sensor's measure current.

AC : Set sensor's measuring mode to AC.

DC : Set sensor's measuring mode to DC.

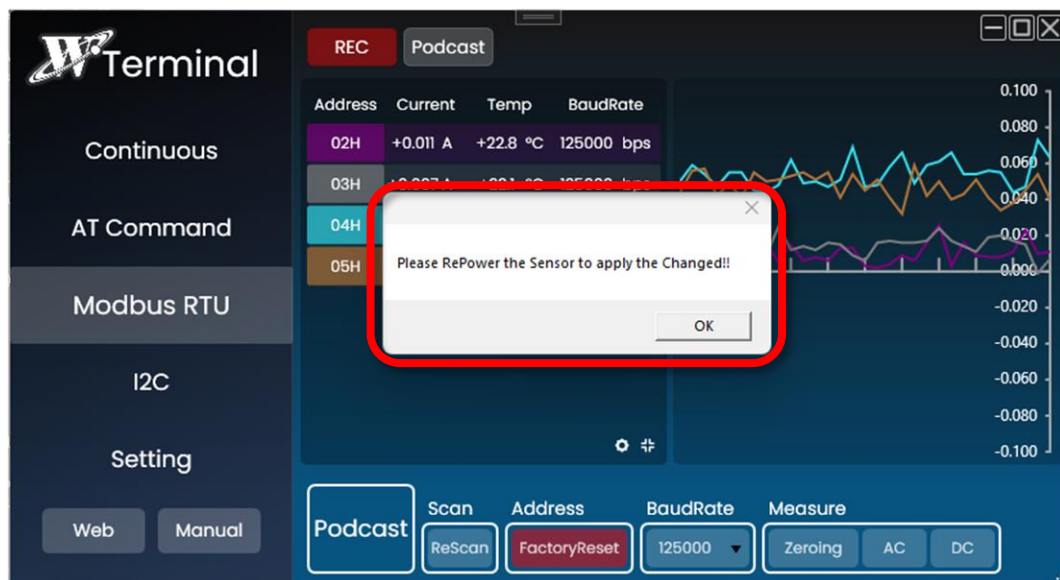
Change To : 02H : Change sensor's address.

Baud Rate : Change sensor's Baud Rate.

Display : Change sensor's Display Color.

Baud Rate Change

To apply the baud rate change, the sensor power needs to be restarted.



Winson reserves the right to make changes to improve reliability or manufacturability.

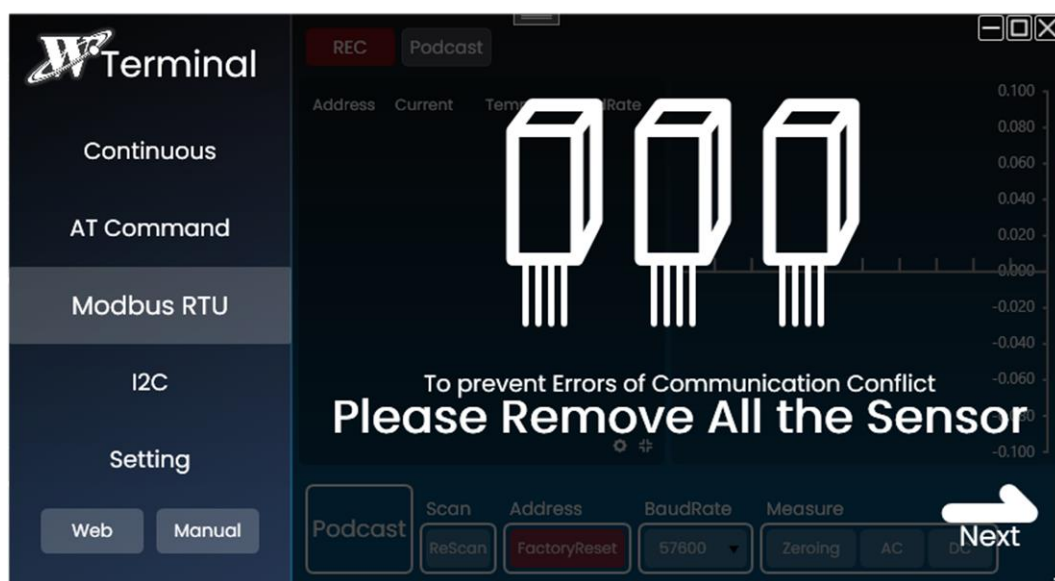
Factory Reset Guide

Factory Reset is a useful function for circumstance of user uncertain the sensor's address or if there had conflict between addresses need to be reassigned. Here's the guide teach you how to easily reset all the sensor addresses step by step.

Step1. In **Podcast Mode**, Press **Factory Reset** button to reset all the connected sensors to default address (01H).



Step2. Remove all the sensors.



Winson reserves the right to make changes to improve reliability or manufacturability.

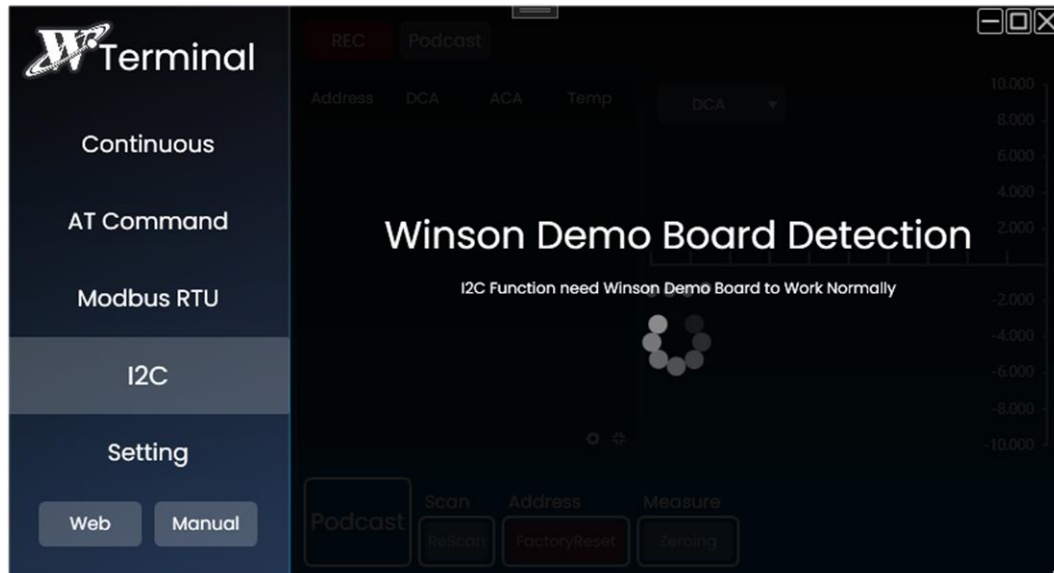
Step3. Plug in sensor one by one.



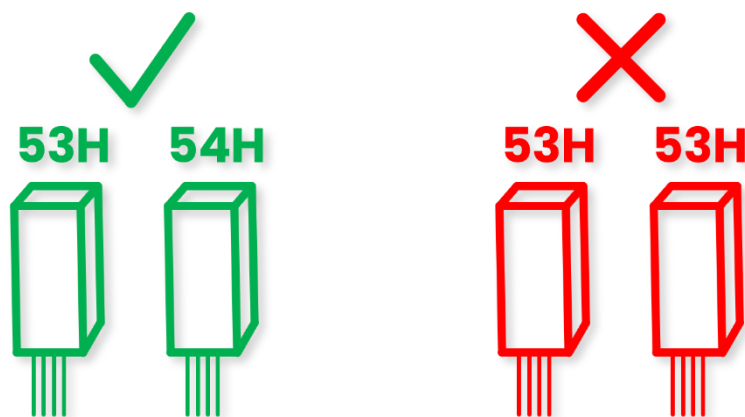
Winson reserves the right to make changes to improve reliability or manufacturability.

I2C Mode

The I2C function needs to be operated on the Winson demo board.



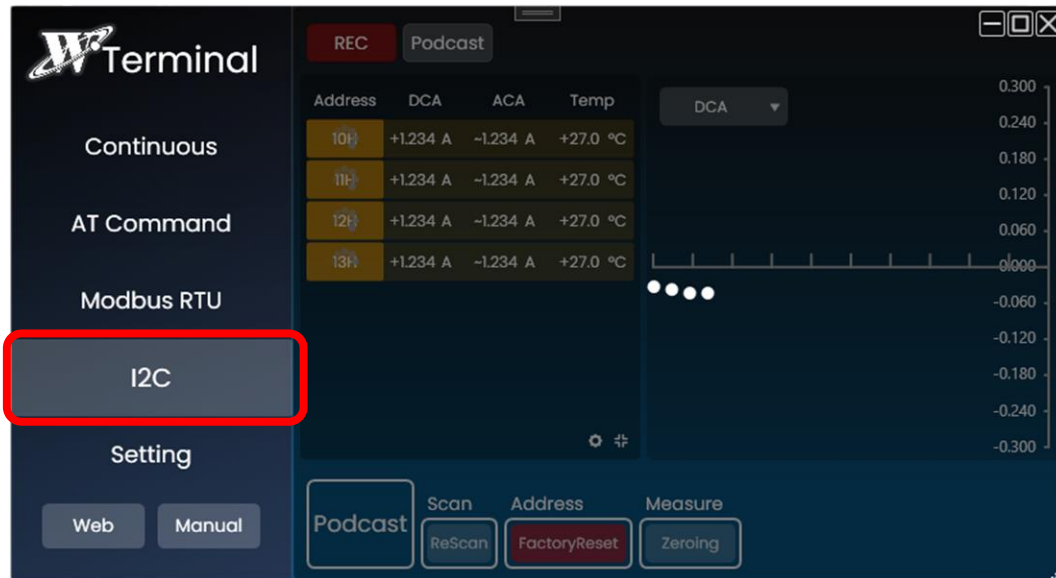
Before connect the I2C Type Sensor to PC, please check all the sensors had its **own unique address**.



※If sensor addresses **conflict** or **duplicate**, please follow instruction [here](#).

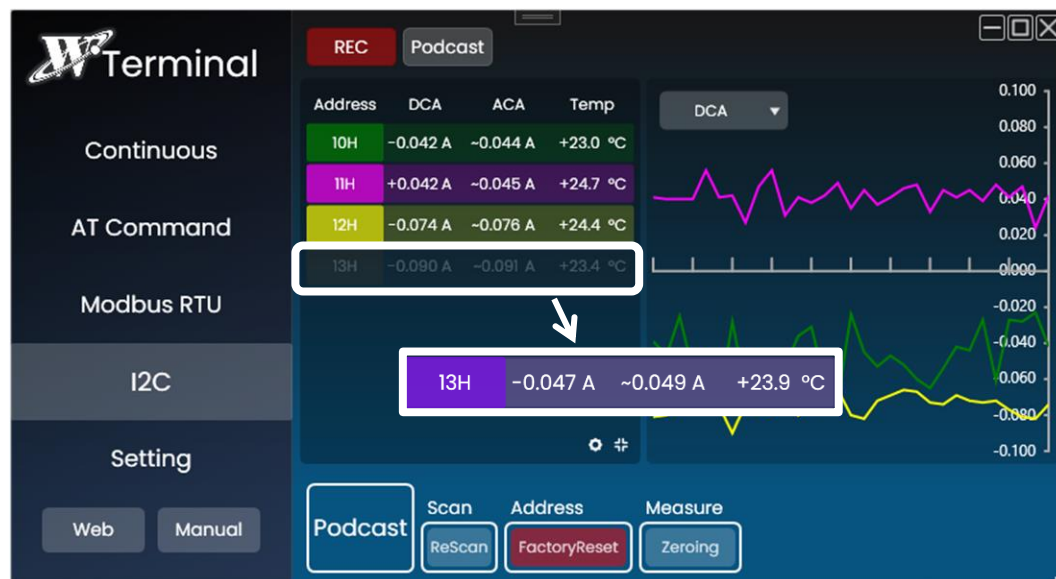
Scanning

Select **I2C Function**, program will auto scan the existed sensor and display on screen.



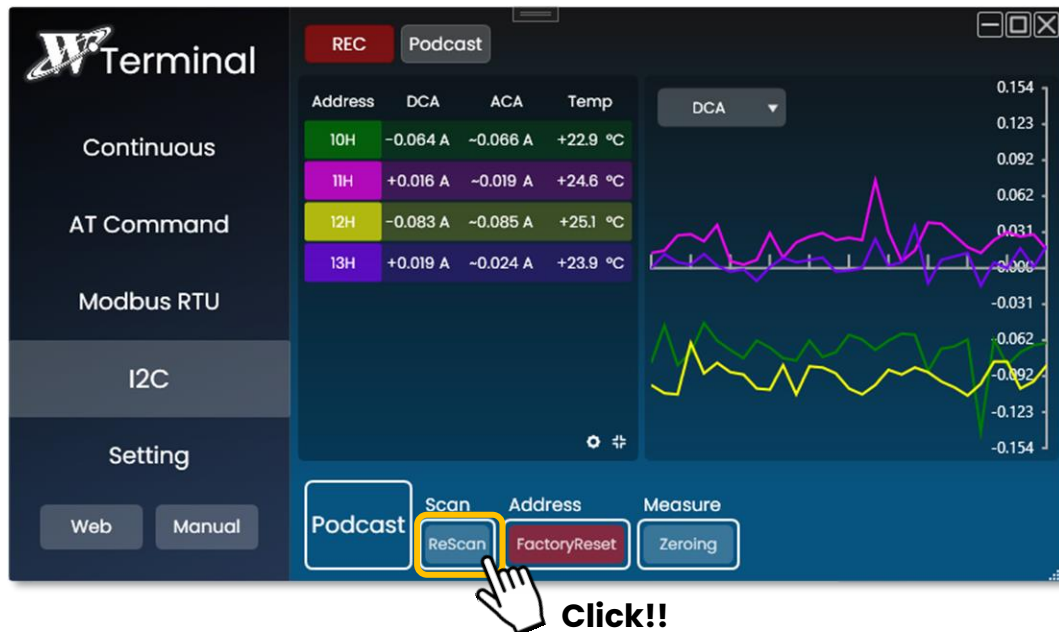
Plug and Play Function

You can plug in sensor with **default address (53H)** during measuring. Program will automatically assign address and add it on screen.



Winson reserves the right to make changes to improve reliability or manufacturability.

If already set up an address for sensor (**NOT 53H**), you can press **ReScan** button to show it on screen.

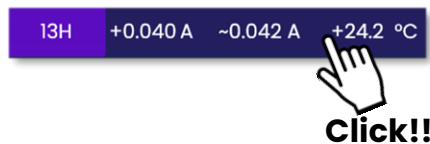


*Please make sure that the sensor you plugged in has a different address than the other sensors.

Function Description for Control Panel

Control Method

Click to Select Sensor.



Click Again or **Click Elsewhere** to cancel selected.



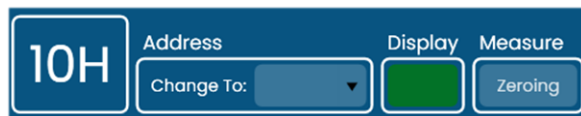
**Press Ctrl or Shift during selection can select multi sensor.*

Mode Description

Podcast Mode



Single Address Mode



Podcast Mode: when not select any sensor, Control Panel will default to Podcast Mode. Podcast mode will control **all the sensors** at once, so be caution to use it.



Single Address Mode: select a sensor, Control Panel will change to single address mode. You can specifically control the sensor you selected.

Function Button Description

ReScan : Scan the existed sensor's address from The Bus.

FactoryReset : Reset all connected sensor's address to 53H.

Zeroing : Zeroing sensor's measure current.

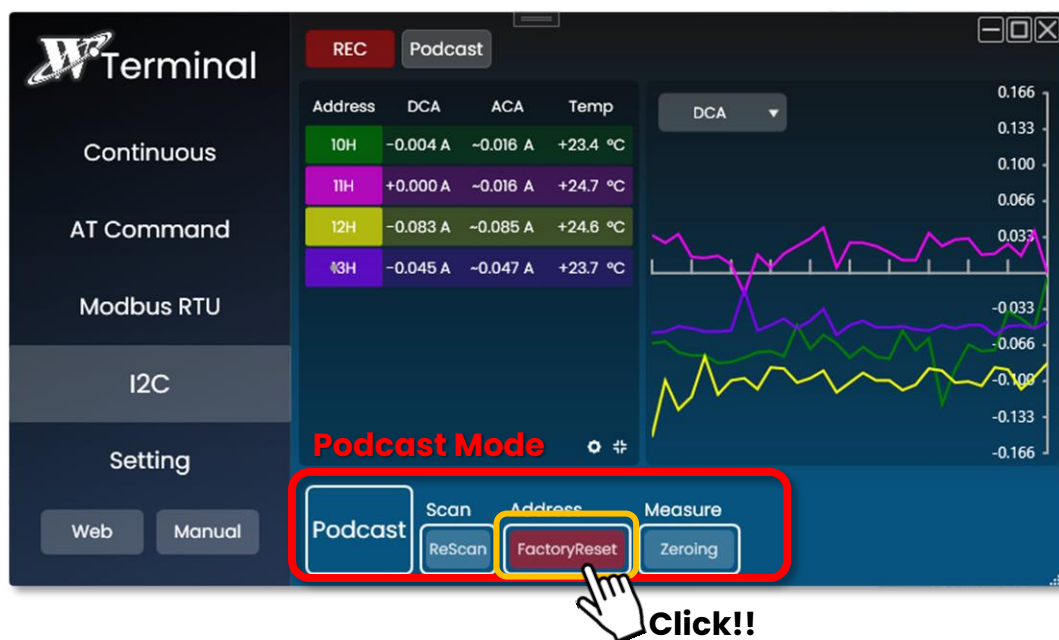
Change To: : Change sensor's address.

Display : Change sensor's Display Color.

Factory Reset Guide

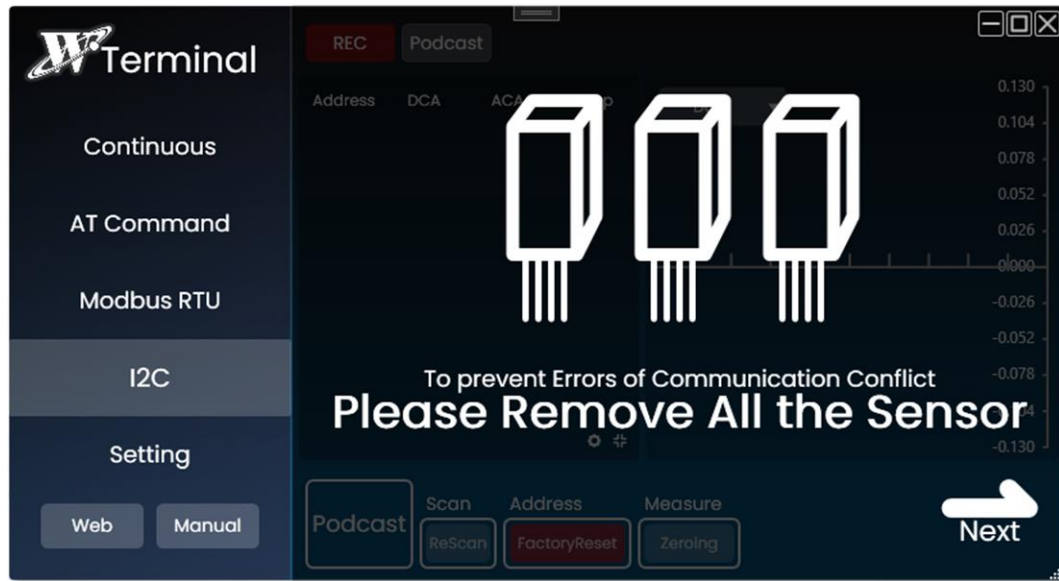
Factory Reset is a useful function for circumstance of user uncertain the sensor's address or if there had conflict between addresses need to be reassigned. Here's the guide teach you how to easily reset all the sensor addresses step by step.

Step1. In **Podcast Mode**, Press **Factory Reset** button to reset all the connected sensors to default address (53H).

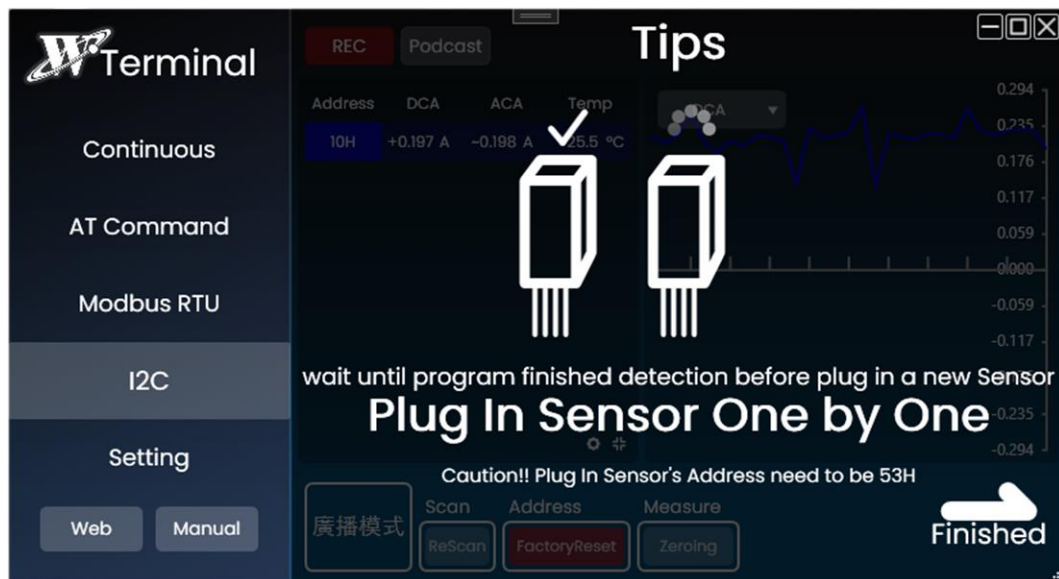


Winson reserves the right to make changes to improve reliability or manufacturability.

Step2. Remove all the sensors.



Step3. Plug in sensor one by one.



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Record Function

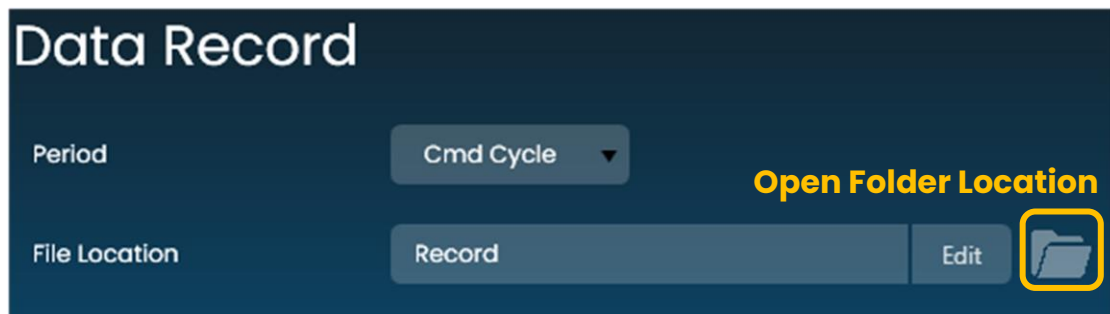
Record Function is an addition function for user to long-term monitoring the sensor's measure data.



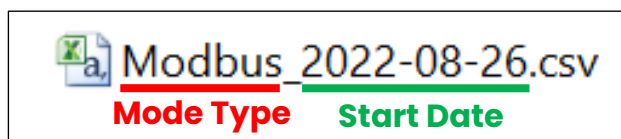
Every function panel has a **REC** button to record data from sensor. Press button to start recording.



Data will default save at **Record** Folder in program's root directory. User can edit to other folder and set the Record Period at **Setting -> Data Record**.



Record files are saved as **CSV** (comma-separated values) files. Editing can be done via Excel or other Notepad applications.



***if want to save data at the folder with access rights, please execute program as Administrator.**

Setting

For customize some user setting, program will auto save change for next use.

1. Manually select COM port.
2. Data Record Setting.
3. Language Setting.
4. Modbus RTU Customize Setting

