7 SMART MODULE TEST INSTRUCTION V0.3

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1. **Software Installation**

This software is installation-free，require Win7 or more advanced systems and “.NET Framework 4.0 “.

1. **Connection**
   1. Use USB to UART cable to connect the sensor module, install the corresponding cable driver.

2.2 Open the software “7 SMART MODULE TEST”, click button “Connect”, select the corresponding serial port in Figure 2.1, default baud rate is 115200,then click “Open”.

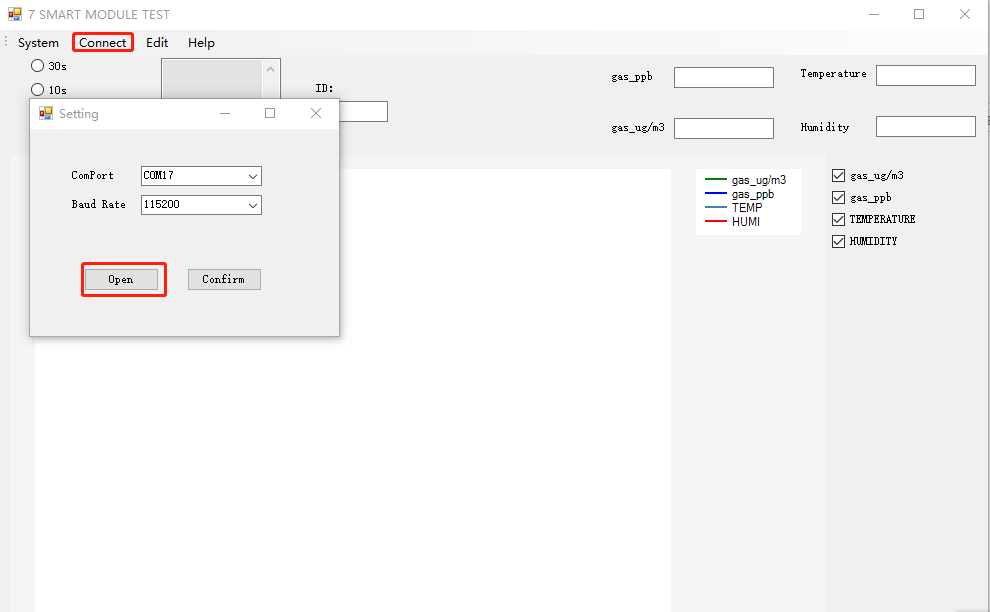
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Figure 2.1

1. **Software Function**
   1. Display Curve

After step connection, click button “SAMPLE”, test value would display on the panel.

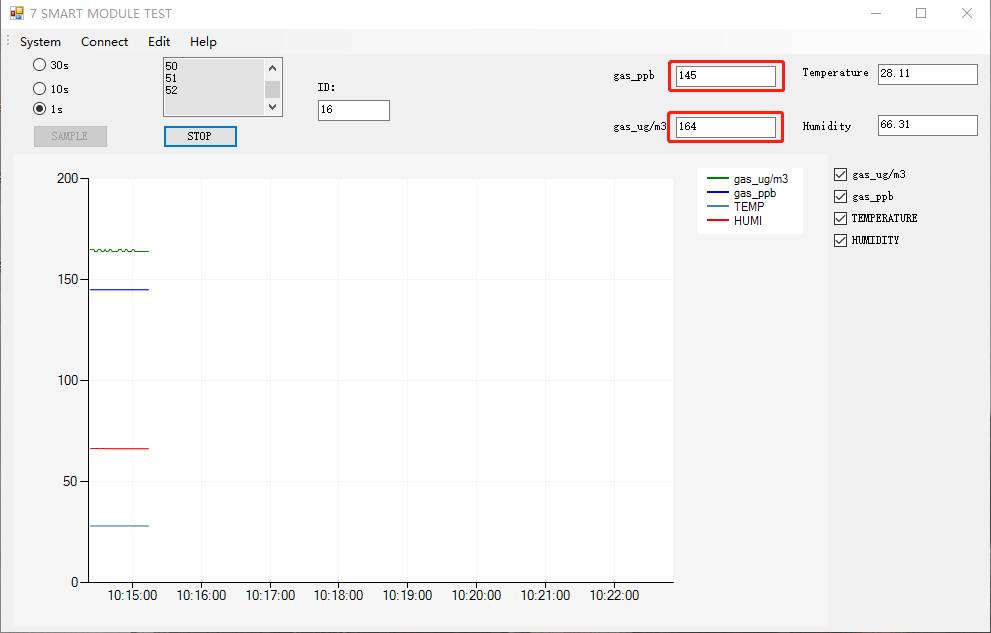


Figure 3.1

* 1. Data Storage

During the process of data sampling, the collected data will be stored in the folder “data” automatically, using date as document title.

* 1. ID Modify

Click button “Edit” which is shown in Figure 3.3, click “Read”, the parameter of the module would be shown on the panel. Default ID is 16(0x10), enter ID number in the text box, then click button “Write”, waiting “Write Success” panel show up, ID modify complete. The modified parameters take effect after module reset.

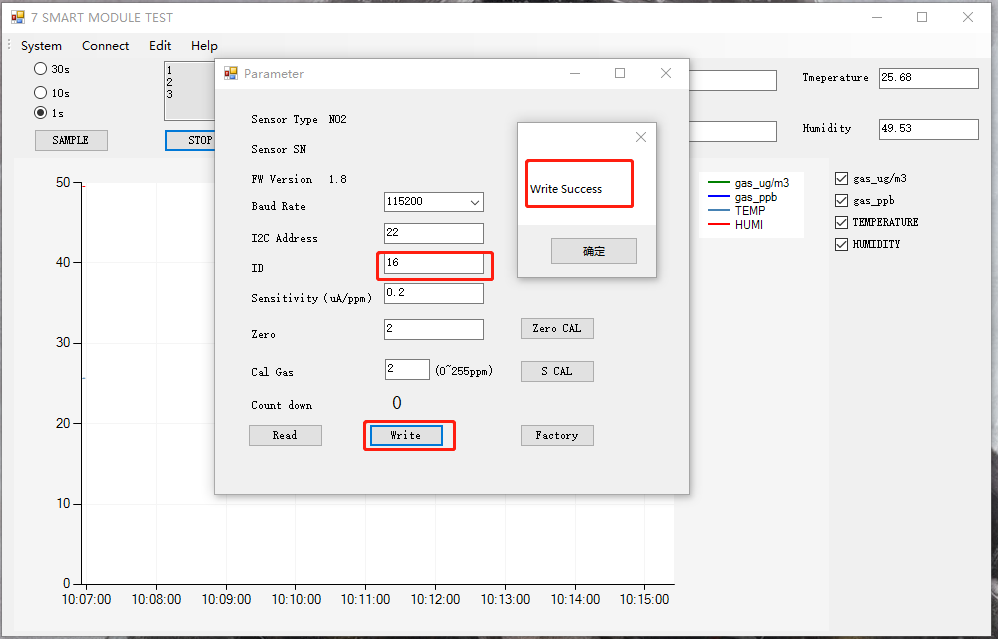


Figure 3.3

* 1. I2C Address Modify

On the parameter panel, enter new I2C address in the text box which shown in Figure 3.4, then click button “Write”, waiting “Write Success” panel show up, the modified parameters take effect after module reset.

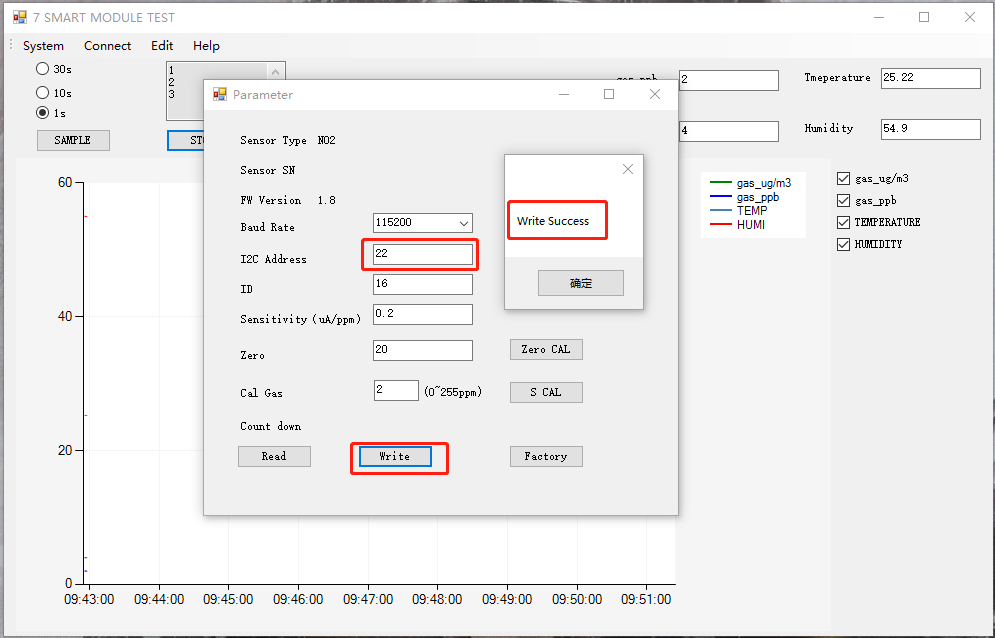


Figure 3.4

* 1. Zero Calibration

Make sure the sensor module is in a very clean environment, after at least 15minutes, then click button “Zero CAL”, waiting for “ Zero calibration Complete” show up. Zero Calibration action complete.

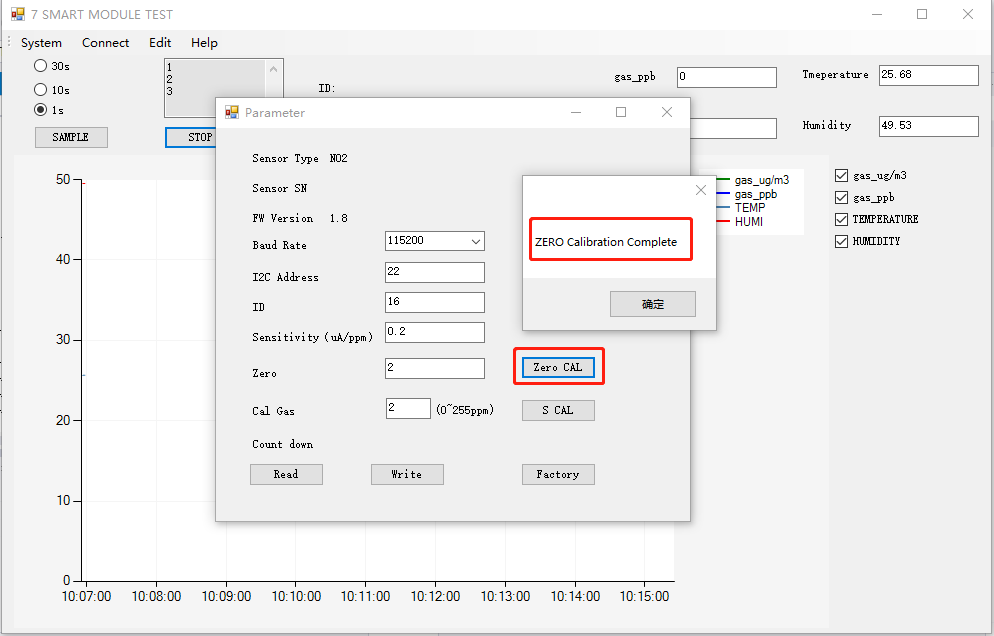


Figure 3.5

* 1. Sensitivity Calibration

As shown in figure 3.6, enter the calibration gas value into the Cal Gas text box, then click S CAL button, wait for about 3 seconds, the “Count down” column would show a count down number, then wait for “GAS CALIBRATION SUCCESS” or “GAS CALIBRATION FAIL” show up. Sensitivity Calibration complete.

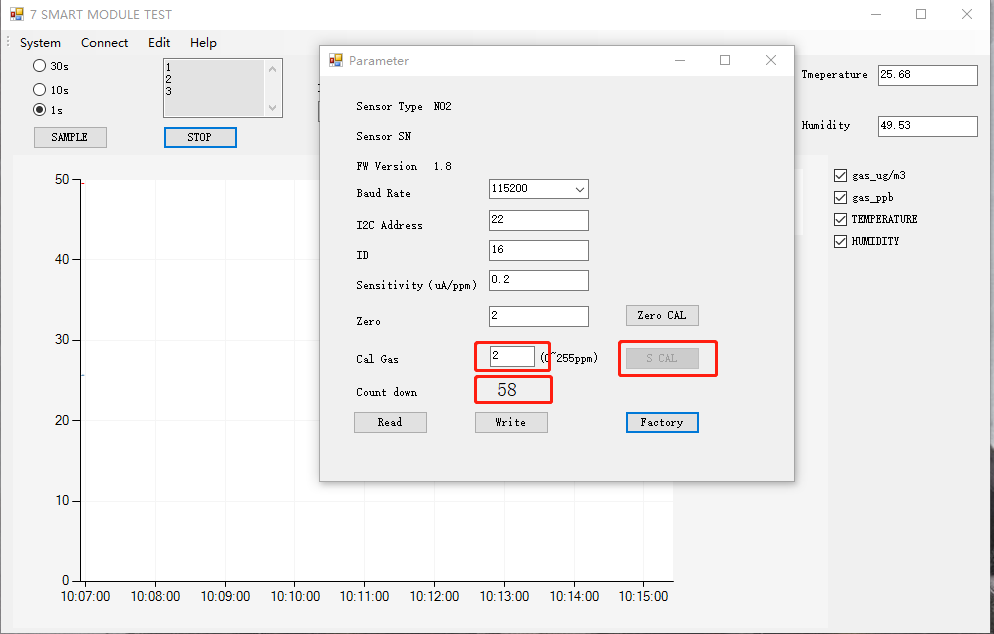


Figure 3.6

* 1. Factory Setting

Click Factory to recovery the parameters on the panel, click button “Write” to renew parameters in the module.

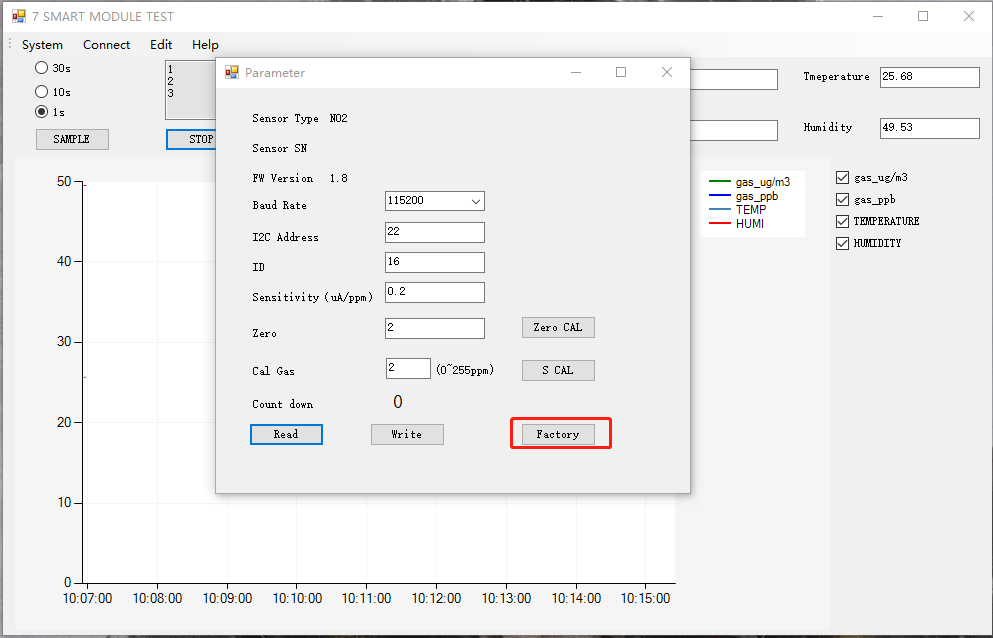


Figure 3.7

* 1. Baud Rate

Select baud rate on the parameter panel，then click button “Write”, the modified parameters take effect after module reset.

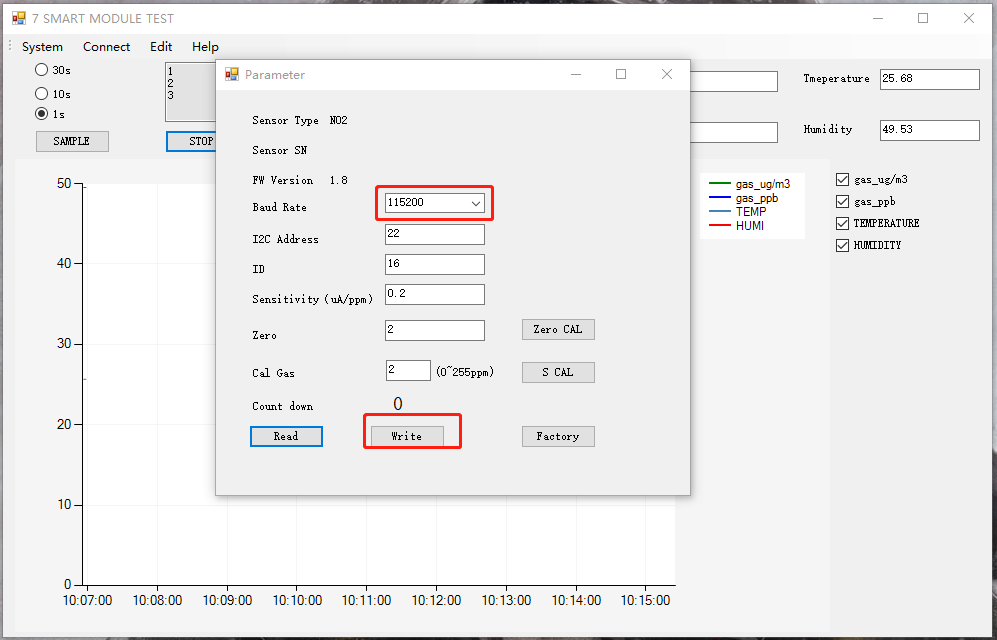


Figure 3.8