

DLAB Electronic Pipette Calibration Software

operating Instructions

Scan the QR code below to download this software:



1. connected device

1.1 connected Electronic Pipette

Connection of Electronic pipettes and computers by USB



1.2 View Electronic Pipette Port Numbers

Right-click on "Computer" and open "Properties" and select "Device Manager".

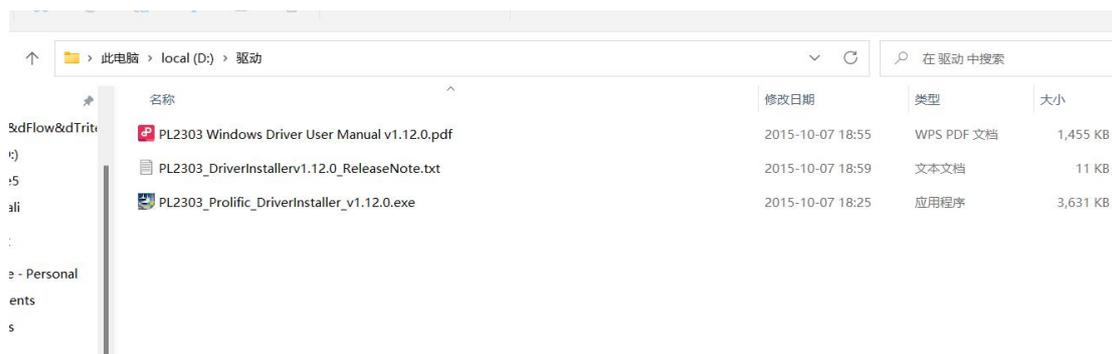


Open "Port" to view the port number as shown in the figure, "Silicon Labs CP210× USB to UART

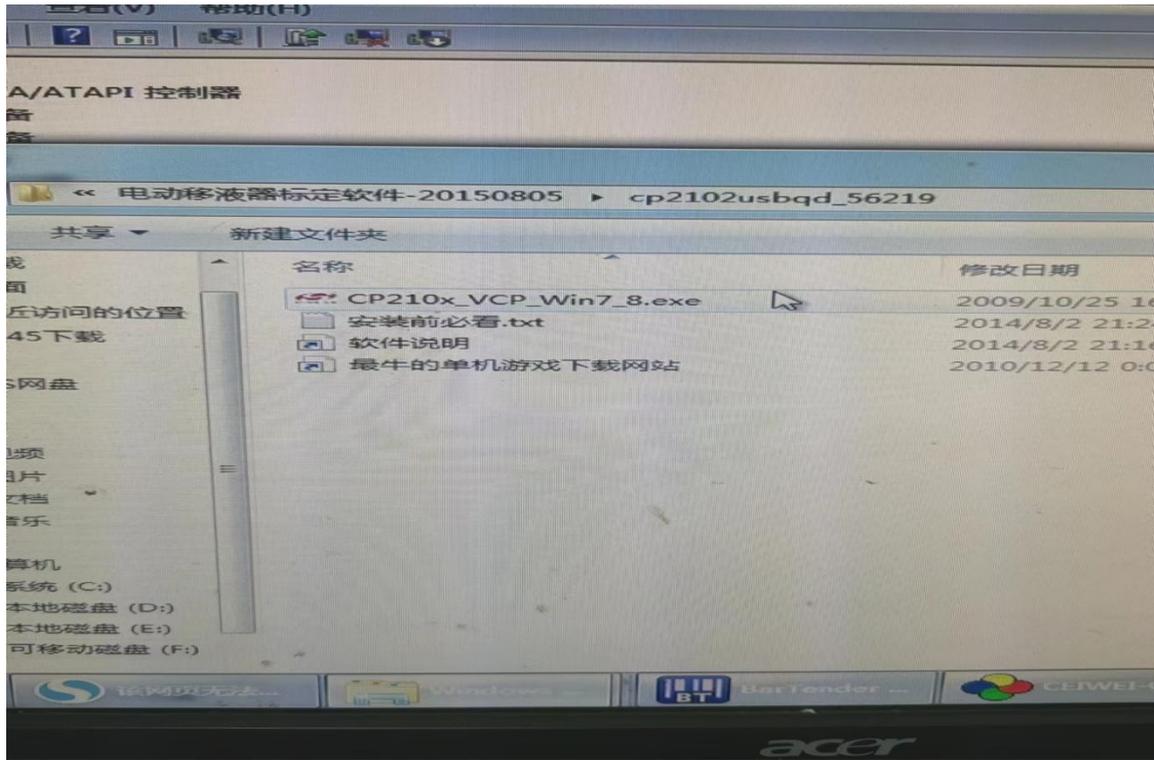
If "Silicon Labs CP210× USB to UART Bridge (COM3)" is selected in the software, the port number COM3 will be selected;

1.3 The port number is not recognised

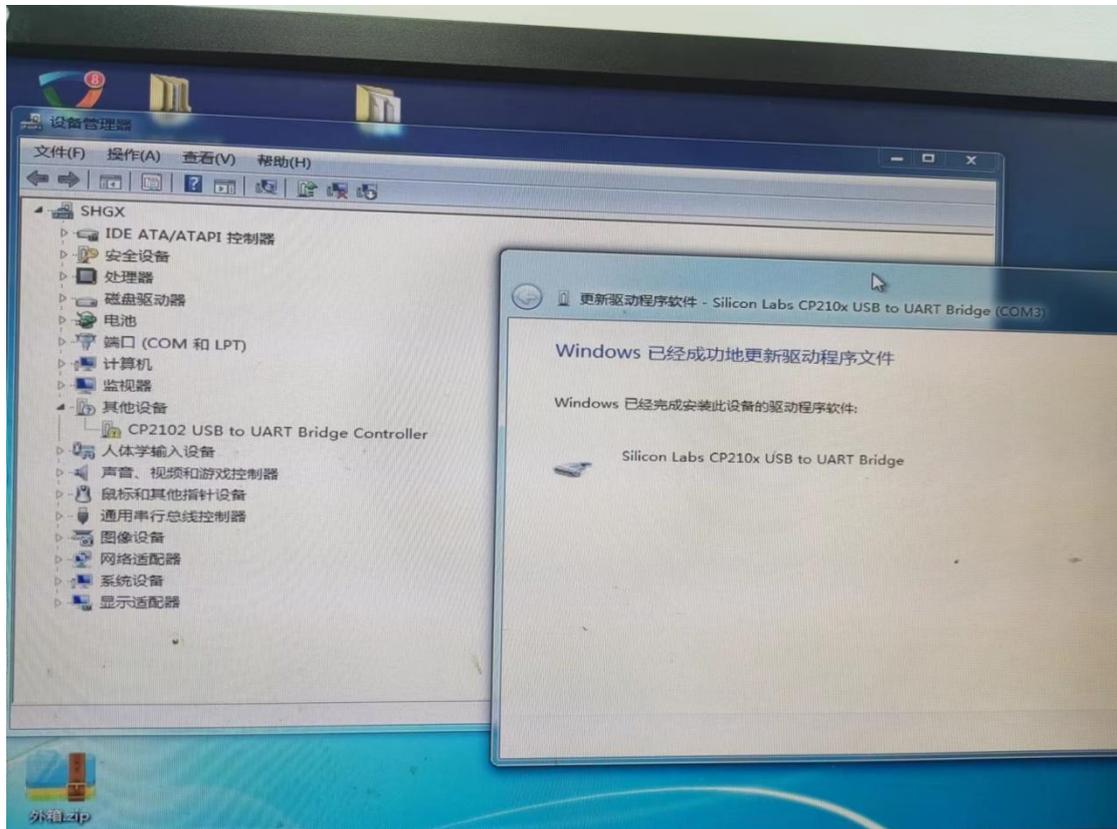
If the device manager does not recognise the “Silicon Labs CP210×USB to UART Bridge” port, Maybe the driver is not installed, please install the driver as follows (for win10 win11)



Or the driver as shown below (for win7)

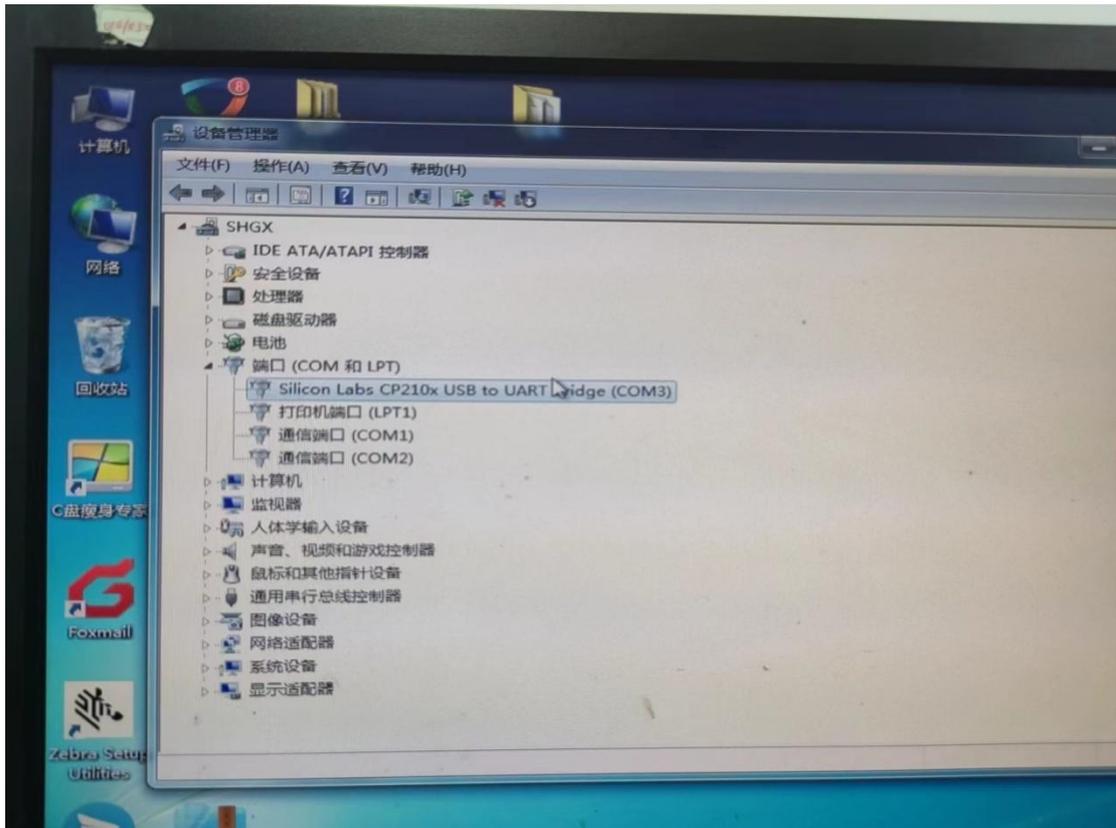


Check the "Device Manager" again after the driver has been successfully installed., select the “Silicon Labs CP210×USB to UART Bridge” Right click to update the driver.



After updating the driver the port no longer has a yellow exclamation mark, then the

computer has been successfully connected to the device.

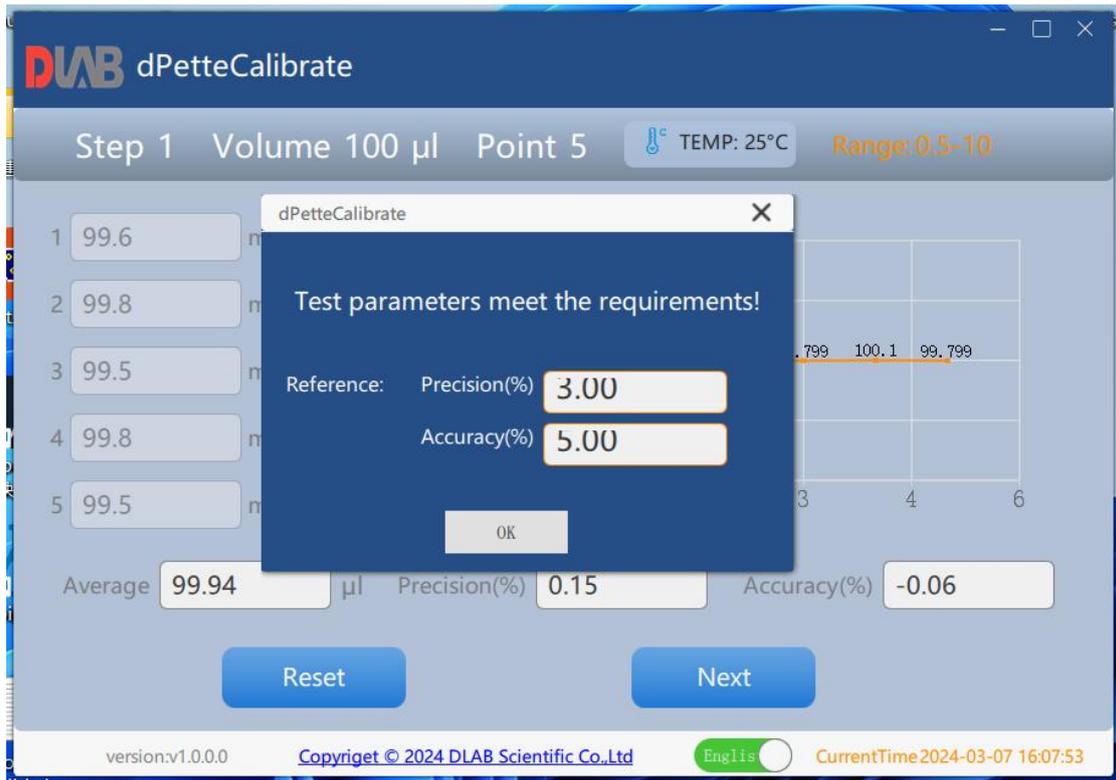


2. Calibration software use

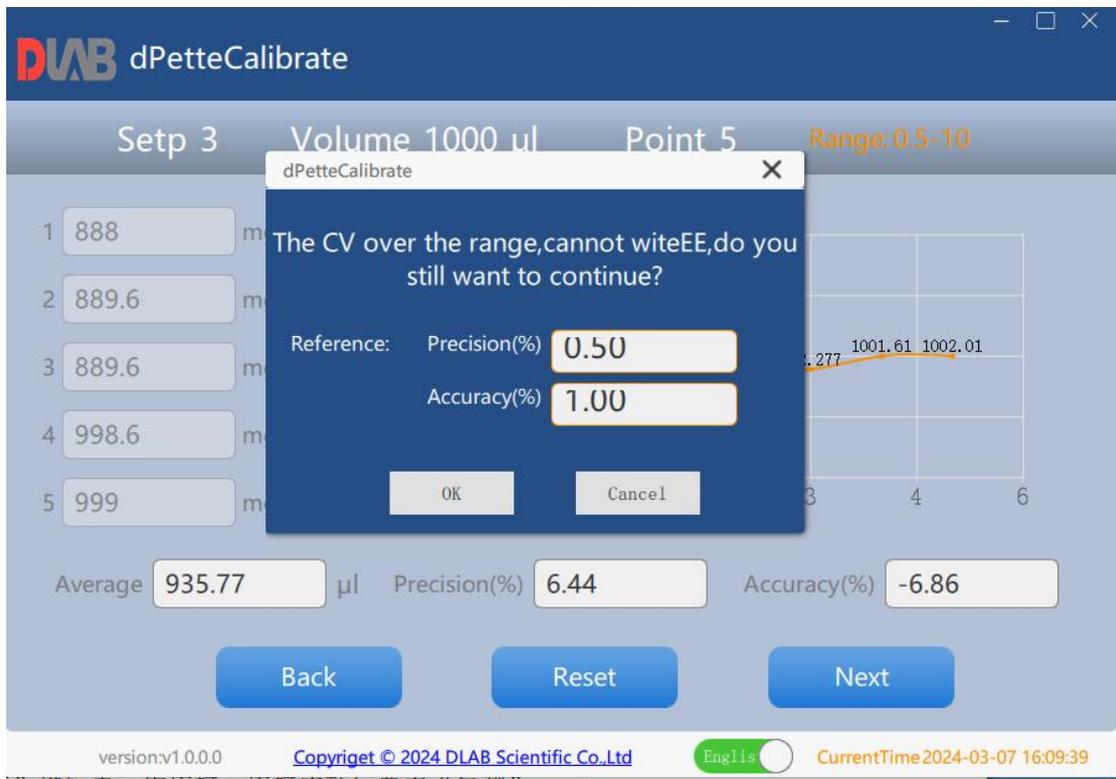
2.1 Open the software, Select the device, range and serial port and click on Connect.



2.2 After successful connection, enter the weighing interface and manually input the weighing value in the space on the left.
Click "Next", if the measurement result meets the accuracy and precision range, it will pop up:



Click "OK" to go to the next point of measurement, if the measurement result is out of the range of accuracy and precision, it will pop up:



At this time, the measured value has been prompted to exceed the range of calibration values, later will not be able to calibrate the device to write the operation, if multiple tests are still out of range, please contact the manufacturer for maintenance.

2. 3 If the average value, precision and accuracy of the measured value are within the range of the calibration value, click Next to enter the calibration coefficient writing interface.



2. 4 Click the Write operation to write the coefficients



When writing is complete, i.e. when calibration is successful, the software prompts accordingly.



If a retest is required, click on "Retest," or manually switch the motorised pipette off and restart it, then click on "Reconnect" to connect again.

"Reconnect" to connect again and click "Retest" when the connection is successful. After a successful write, the device needs to be restarted for the next calibration operation.

2.5 If you need to restore the factory settings, click the "Restore Factory Settings" button.



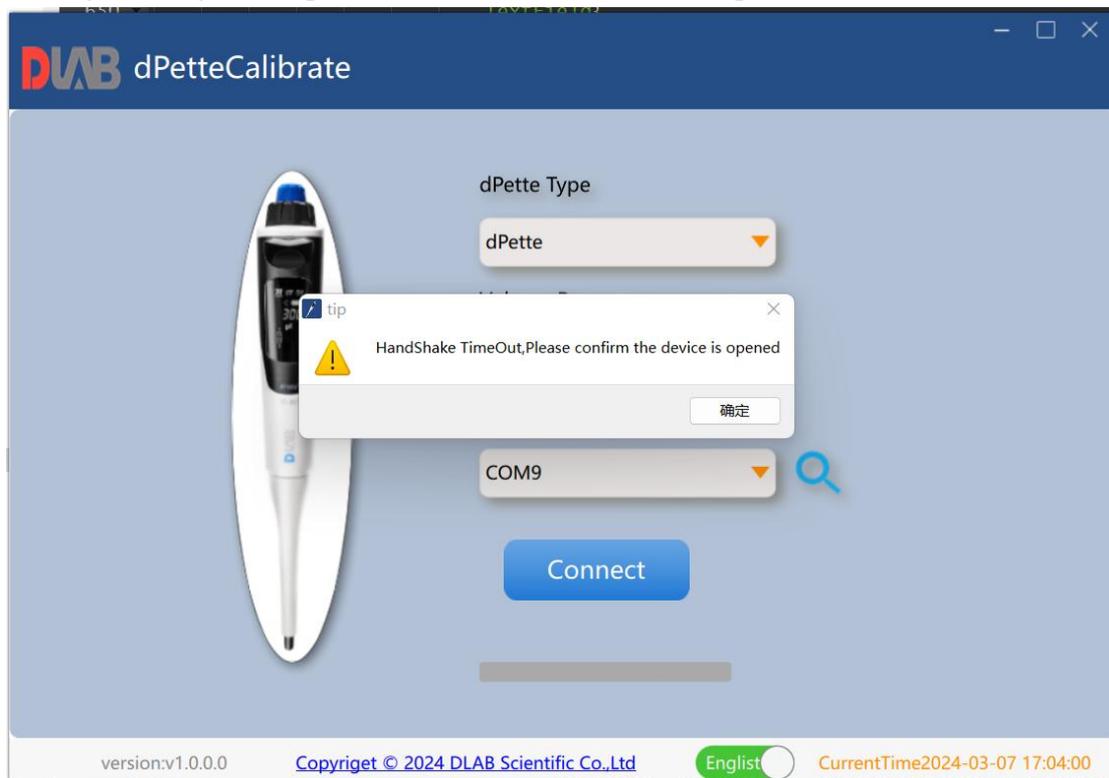
Contact the after-sales service to get the factory setting kb value of the device and input it, click OK, and then click "Write" button.

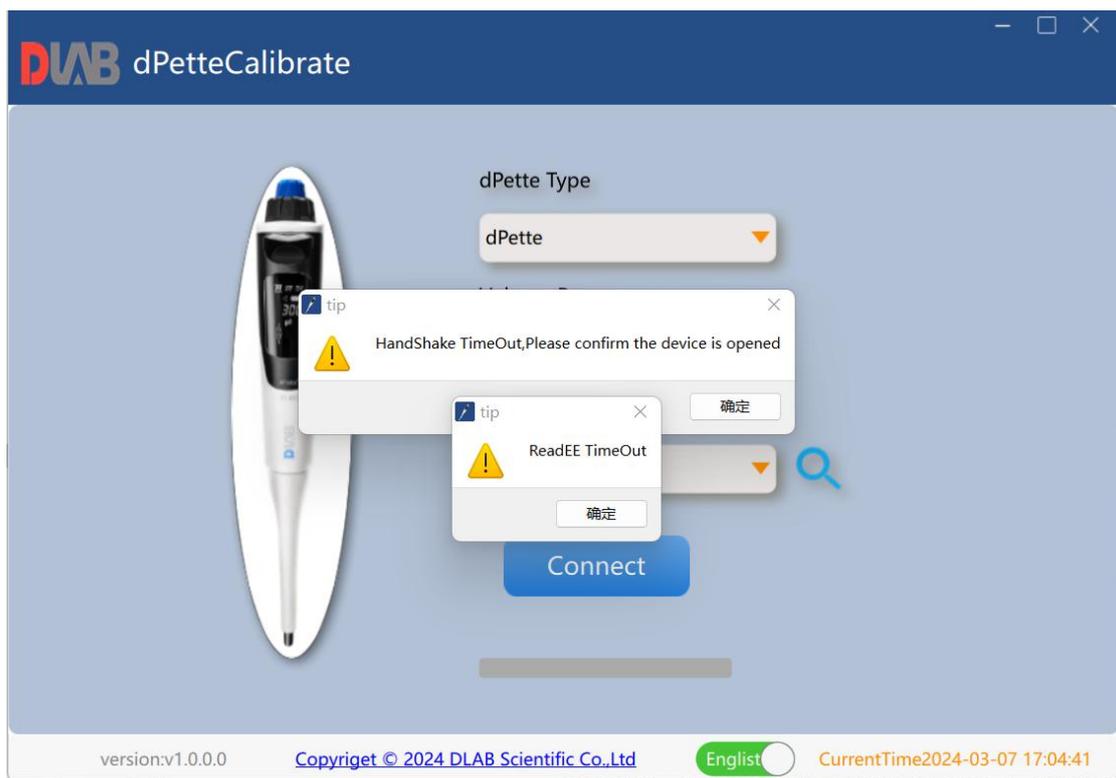
3 Frequently Asked Questions

3.1 As shown in the figure below, the device failed to connect, either because the cable is not connected properly or the port number is occupied



3. 2 As shown in the figure below, the prompt timeout, may be the device is in standby mode, you can press the device button to wake up the device.





The device standby state (non-connectable state) is shown below:



When the operation button is pressed, the device is in a connectable state as shown in the figure below.



3.3 Win7 System Installation Unsuccessful

Win7 system with win7 custom installer, and different installer from win10/win11

3.4 Software removed by 360 and other antivirus software

Add PetteCali.exe from the installation directory to 360's trust list

