

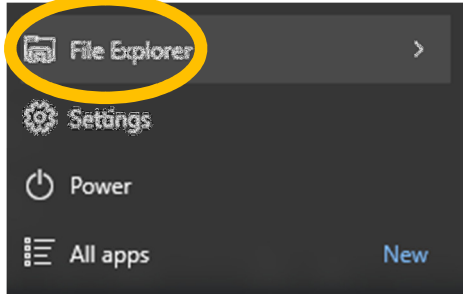
## WEL Penetrometer Quick Start Guide

1. Insert the provided USB flash drive into the computer.

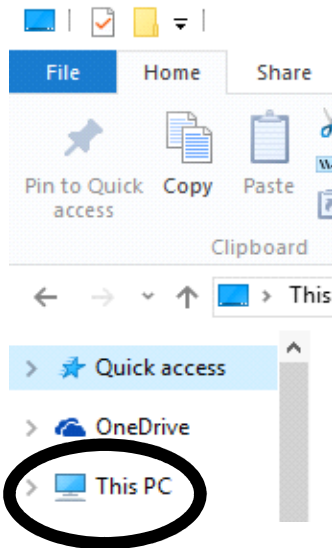
2. (Windows 10) Click the Windows Logo in the bottom left.



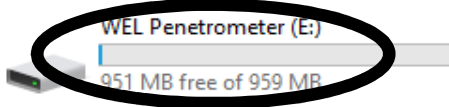
3. (Windows 10) In the menu which pops up click on **"File Explorer"**.



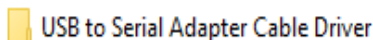
4. (Windows 10) Click on **This PC**.



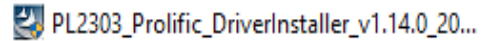
5. Double click on the **"WEL Penetrometer"** USB drive.



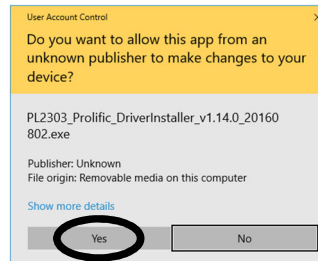
6. Double click on the **"USB to Serial Adapter Cable Driver"**



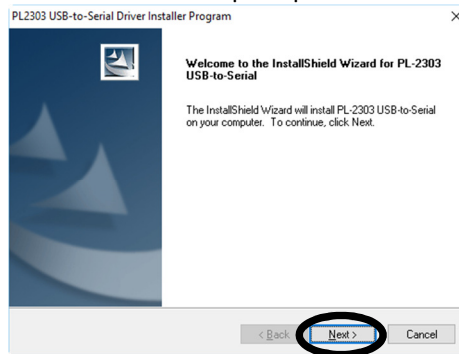
7. Double click on **"PL2303\_Prolific\_DriverInstaller\_v1.14.0\_20160802.exe"**



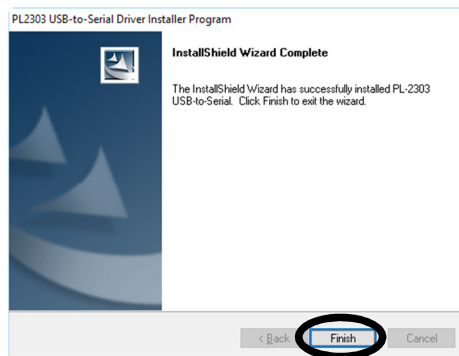
8. Click on **"YES"** in the below prompt.



9. Click **"Next"** on this prompt



10. Click on **"Finish"** to close this window.

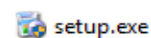


11. Navigate back to **"WEL Penetrometer"** USB drive.

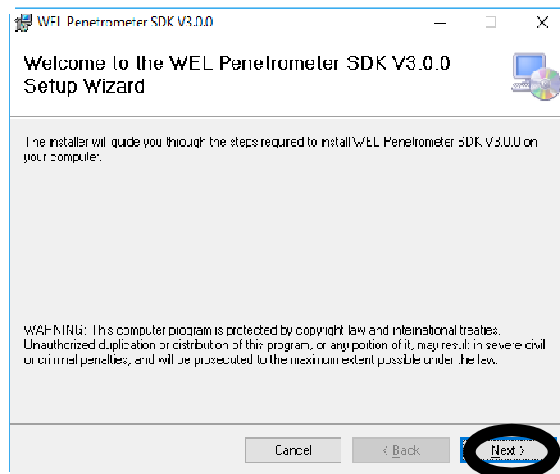
12. Double click on **"WEL Penetrometer SDK V3.0.0"**



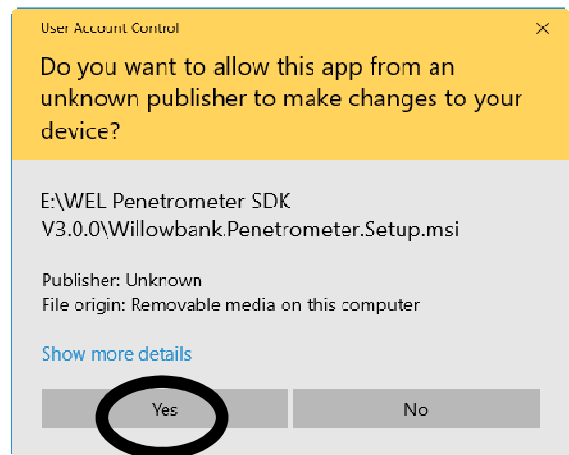
13. Double click the **"setup.exe"**



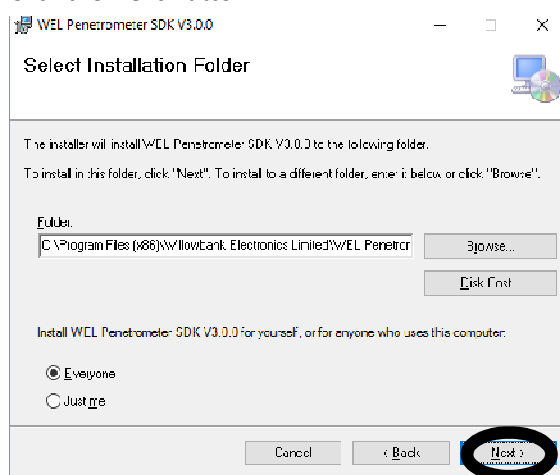
14. Click the **Next** Button



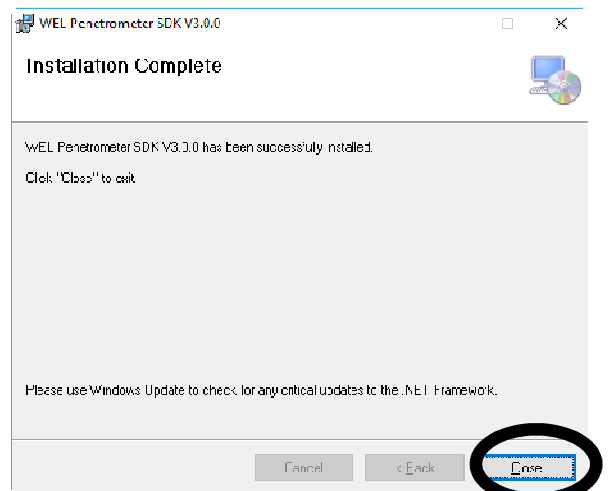
17. Click on **“Yes”**



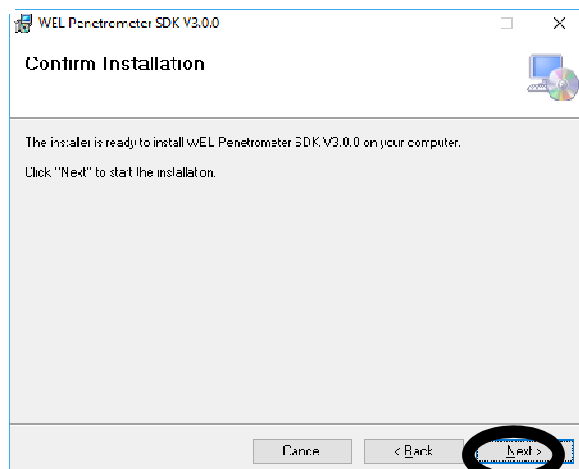
15. Click the **Next** Button



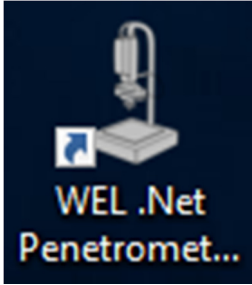
18. Click the **Close** Button



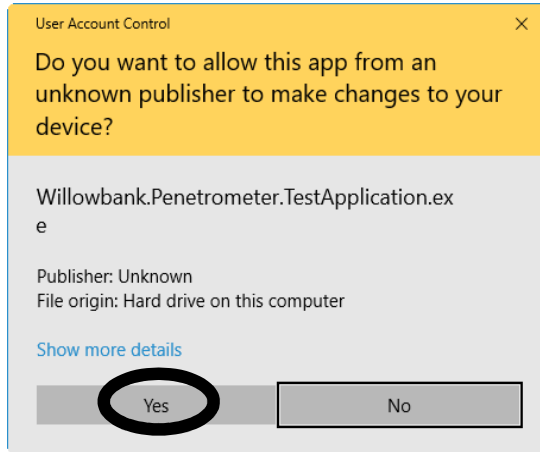
16. Click the **Next** Button



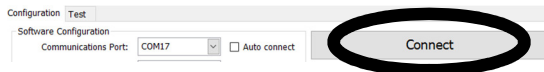
19. Double click on **WEL .Net Penetrometer Config** on the desktop.



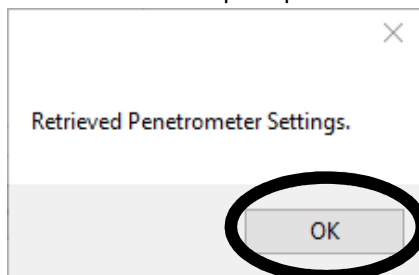
20. Click on "Yes"



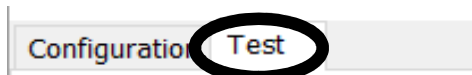
21. Select the **Communications Port** of the Penetrometer. Then click on the **Connect** button.



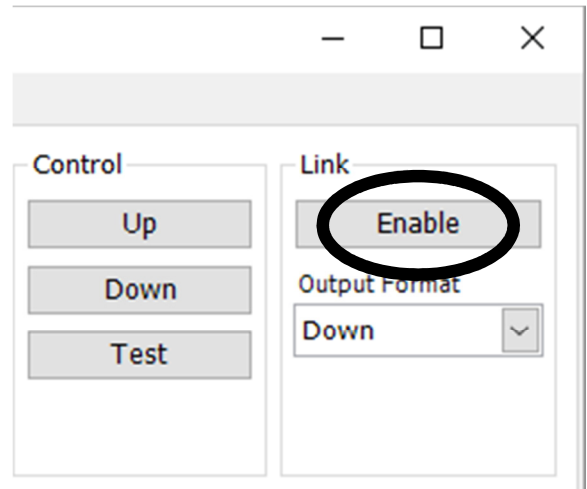
22. Click **OK** the below prompt



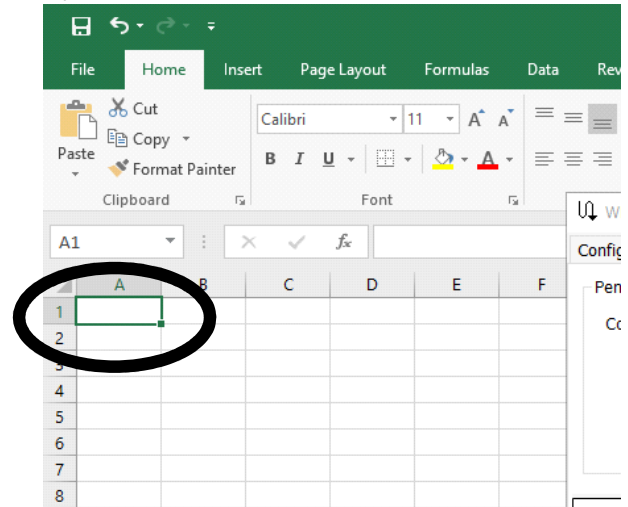
23. Click on the **Test** tab



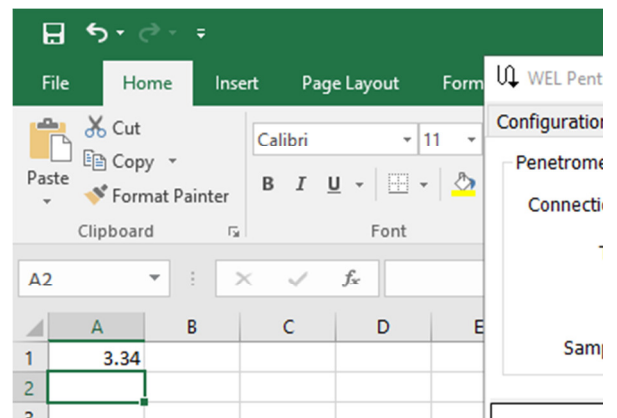
24. Click on **Enable** Button



25. Open Excel and select a cell in Excel.

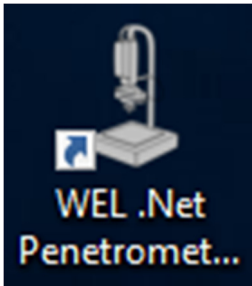


26. Press the foot pedal to take a measurement. The result will be entered into Excel

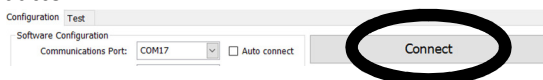


## Calibrating WEL Penetrometer

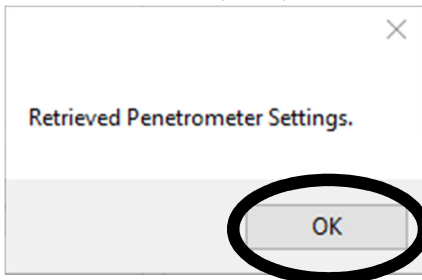
1. Double click on **WEL .Net Penetrometer Config** on the desktop.



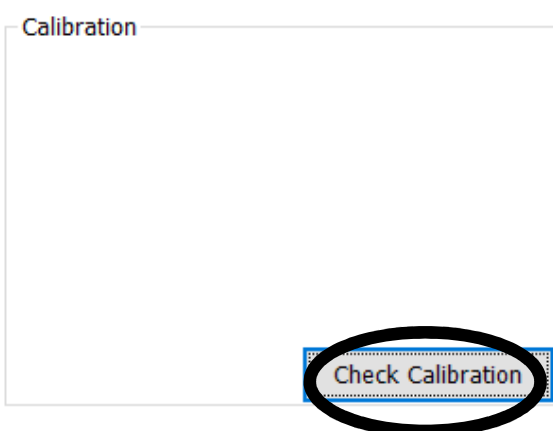
2. Select the **Communications Port** of the Penetrometer. Then click on the **Connect** button.



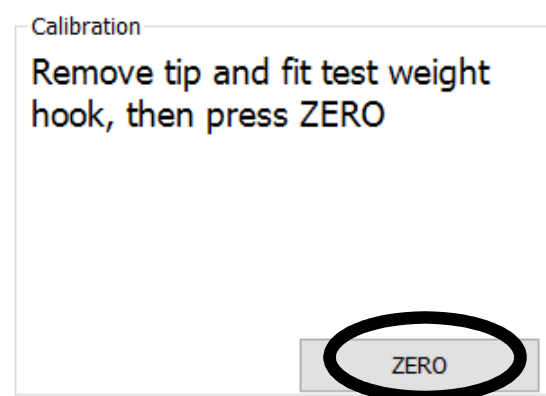
3. Click **OK** the below prompt



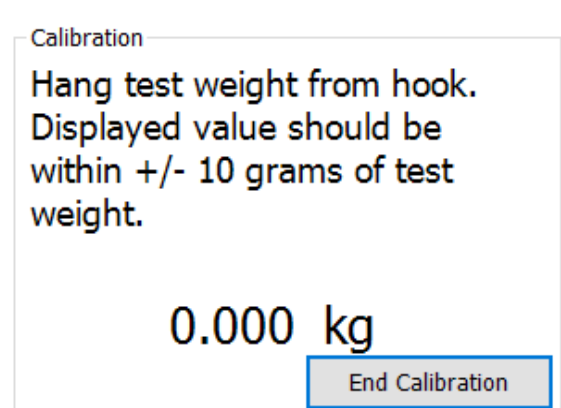
4. Click **Check Calibration**



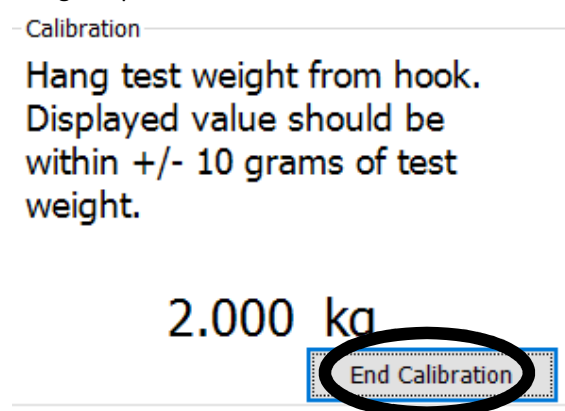
5. Remove tip and fit test weight hook, then click on **Zero** Button



6. Hang test weight from hook.



7. Check displayed value is within +/- 10 grams of test weight. Click **End Calibration** to continue using the penetrometer.



Contact Willowbank Electronics for service and calibration.

[www.welnz.com](http://www.welnz.com)