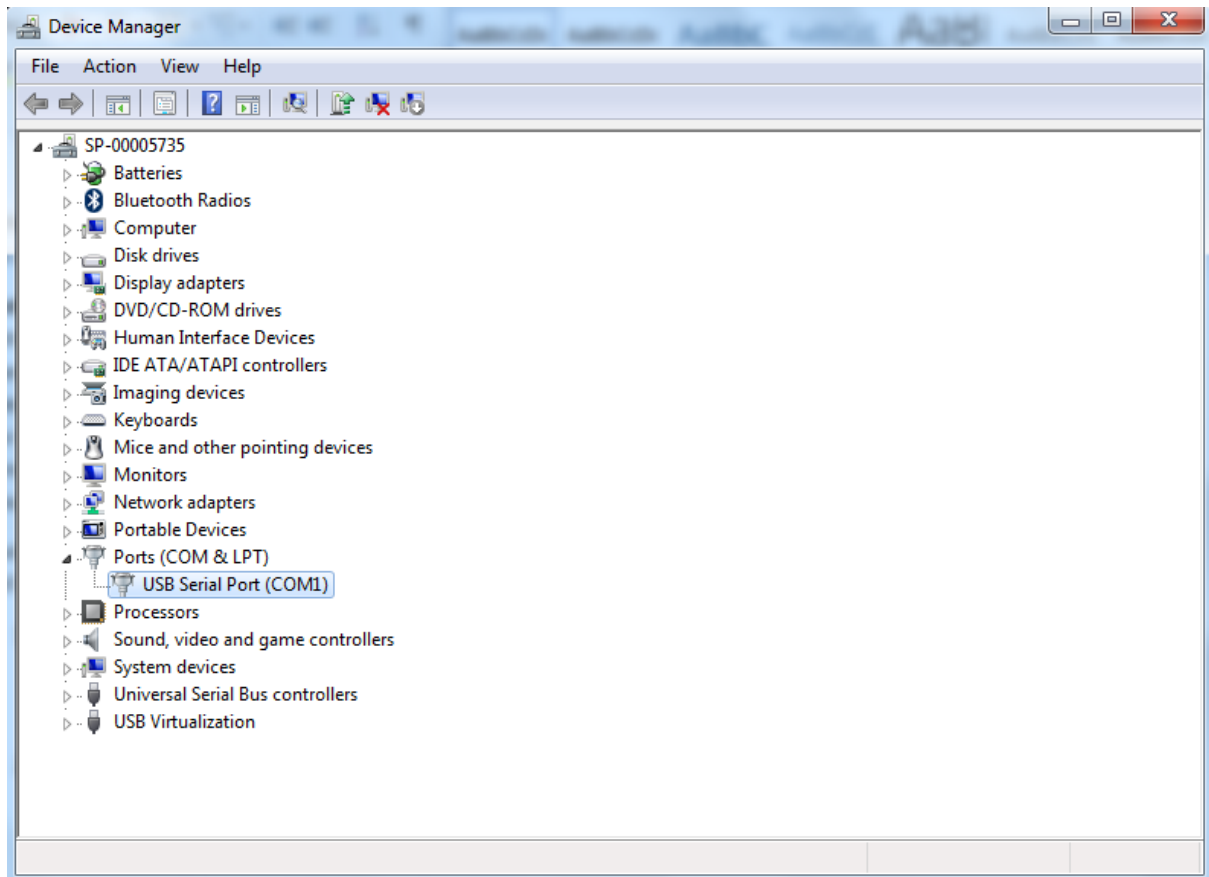# Guide to using Instrument Explorer.

In this brief guide I will tell you how to connect your load cell and HHP to the computer and access the calibration section of Instrument Explorer.

Firstly install the **LLD Drivers** and then the **Instrument Explorer** software itself located in the Instrument Explorer Zip file on this memory stick.
Then connect the USB Connector and it should auto detect the drivers you installed previously, if it doesn't you can install manually using those drivers when prompted.
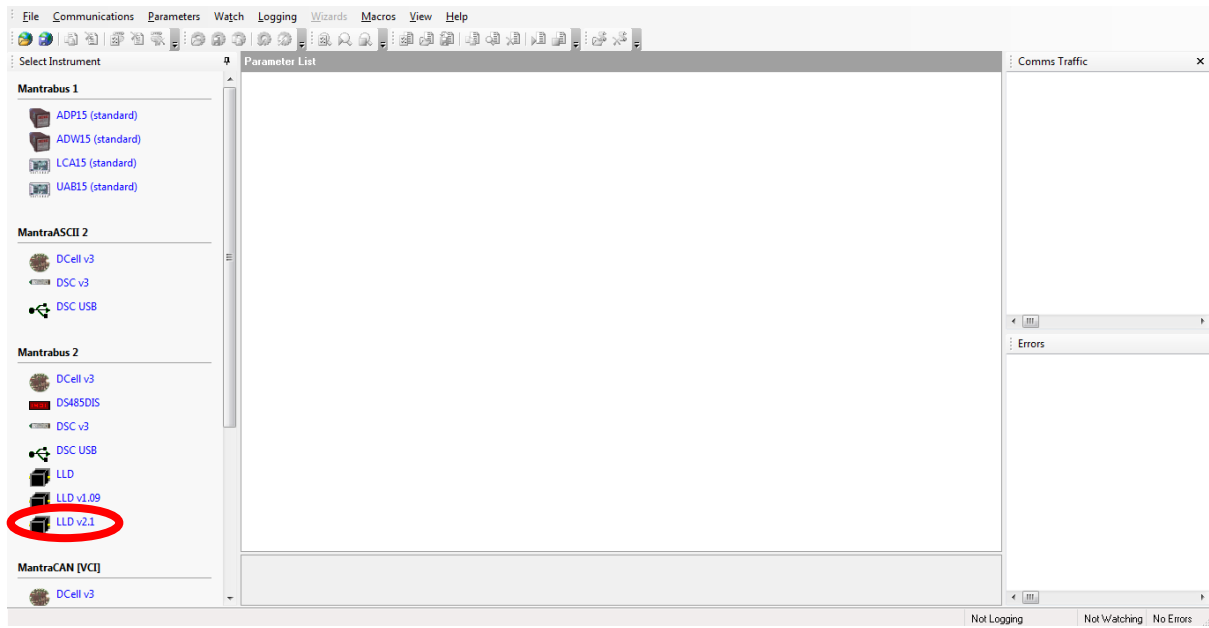You will also need to know what Port you are connected to provided the USB Connector has installed correctly, this can be found: **Control Panel > Device Manager** like the screenshot below:

You can change the Port if you wish but as long as the **COM#** is below **COM9** then you will be fine.

If the screen does not appear as it does above for you then please ensure you restart the computer if prompted as this can cause irregularities in the software.

Now you will need to load up **Instrument Explorer** itself and you will have the screen below:
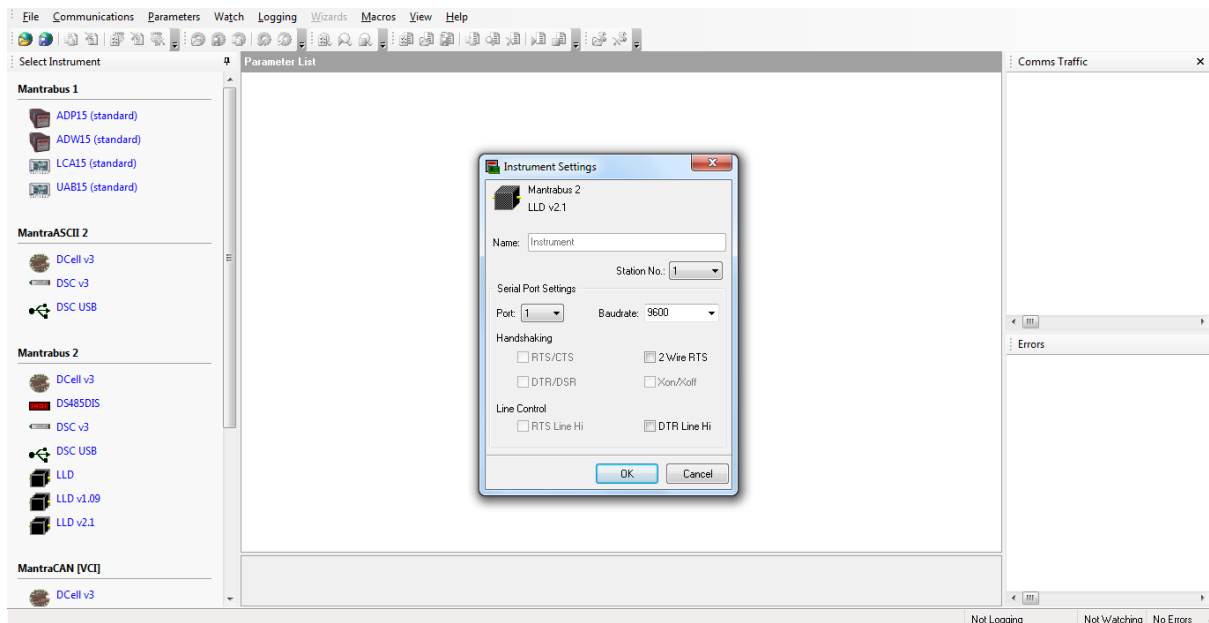

Select 'LLD V2.1 if your HHP firmware version v3.04.

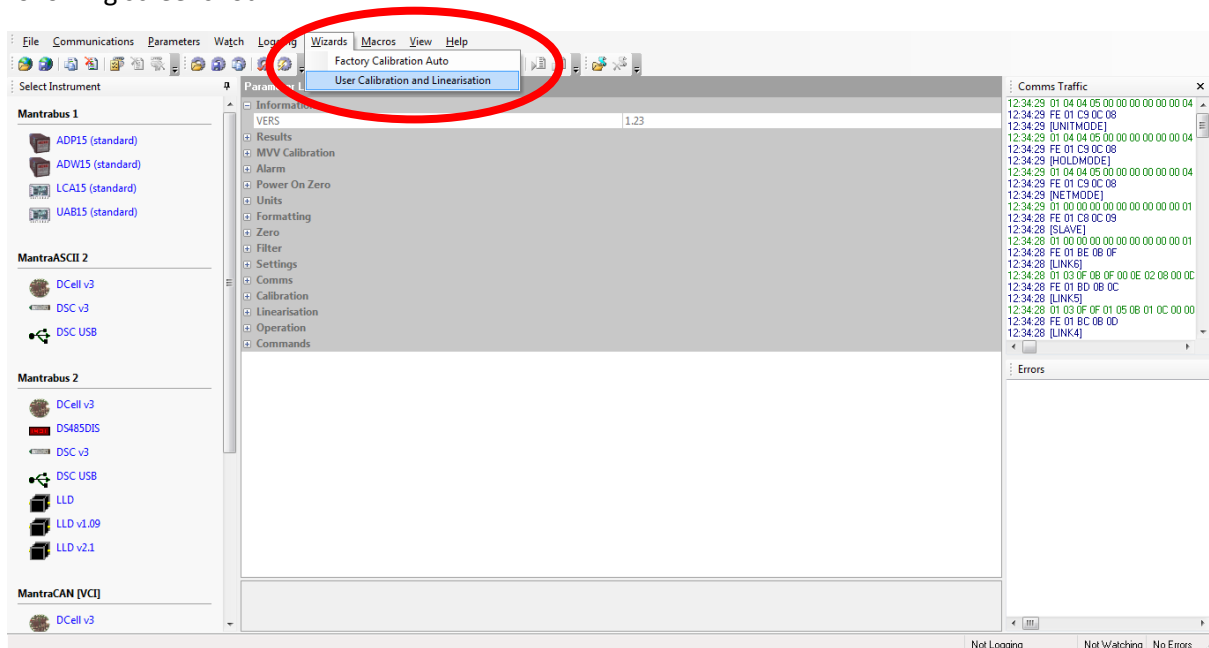Select 'LLD' if your HHP firmware version 1.1 & V4.00, V4.01

and LLD v1.09 if your HHP firmware version 1.09 and below.

This may appear daunting at first if you are unfamiliar but all you need to do is click on the circled area above and you will be presented with the following screen:
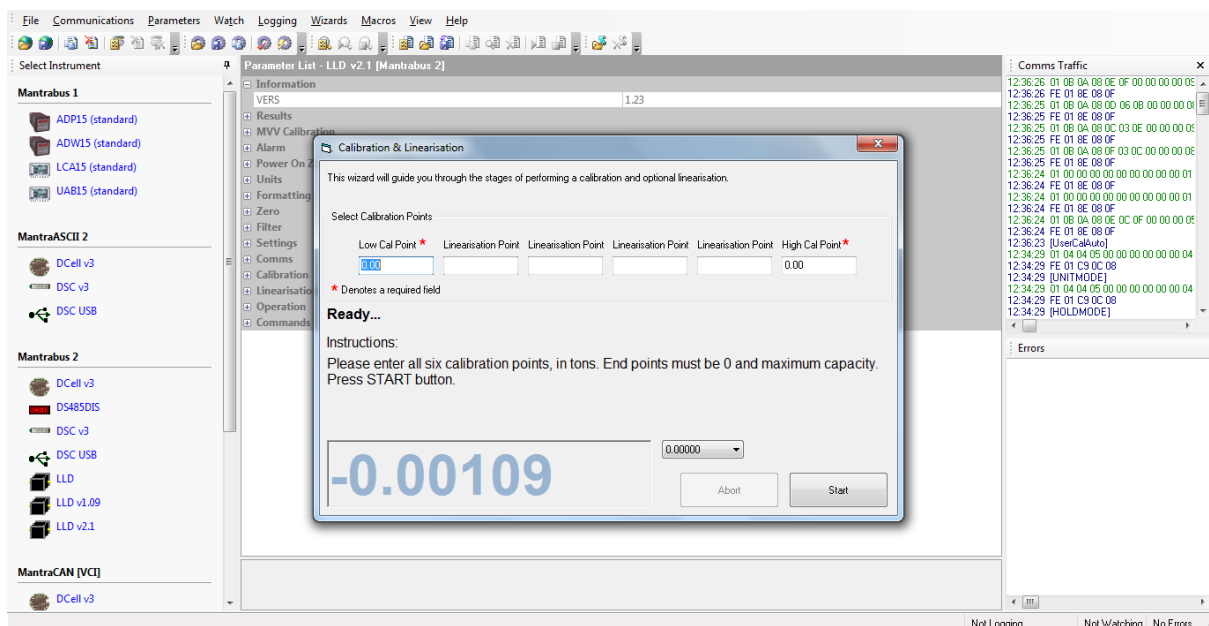

You should be able to leave all this as is except where it says **PORT** and then a drop down box. Here you will need to select what the port was for your USB Connector which we looked at earlier, so for example mine was set to **COM1** earlier, so I can just click on **OK** and it should connect. When you do this you will get a loading bar which should progress very quickly, if it freezes you will be presented with an error such as **NO Response**.

If you get the above error it means you have not connected the system up correctly, or you selected the wrong USB COM Port.

Provided this was successful you can now progress onto calibration, this can be found on the following screenshot:

You will need to click on **Wizards** and then **User Calibration and Linearisation** and you will be presented with the following window:

This screen is fairly self-explanatory but this is where you will input your linearization points and calibrate the load cell.

PLEASE NOTE: The Software will start with Zero and then Span, after you take Span you will then Linearise the other points.

If you make a mistake when taking the points you will need to abort the calibration and start from the beginning.

This concludes the guide to using Instrument Explorer, hope this helped!