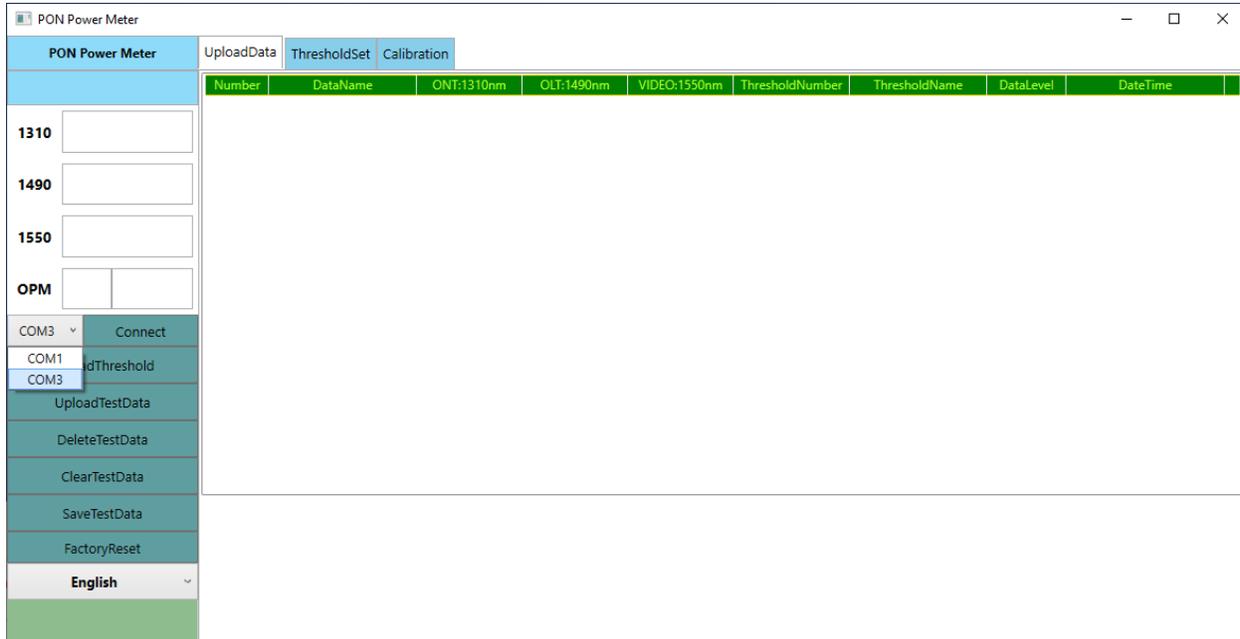# PON-50 Software Instructions

Starting the Software

1. After installation, simply open the "PON Power Meter.exe" file in the "PPM" folder to start the software.
2. Power on the PON-50 Power Meter and connect it to the PC via mini-USB cable.
3. On the left-hand toolbar, select the appropriate COM that the PON-50 is connected to and click the "Connect" button. In this case, it is COM3.

4. When you are ready to disconnect the PON-50, simply click the "Disconnect" button, then remove the PON-50 from the PC and turn it off.

Uploading Data

1. To upload data using the PON-50 software, first click once on the "UploadTestData" button in the left-hand toolbar.
2. The data should appear in text form under the "Upload Data" tab, like so:

3. To save this test data in .xls format, simply click on the "SaveTestData" button in the left-hand toolbar.
4. You can also clear or delete the data by clicking their respective buttons.

<u>Uploading Thresholds</u>

1. To set or upload thresholds, first click on the "UploadThreshold" button and the following chart will appear:

PON Power Meter

PON Power Meter		UploadData	ThresholdSet	Calibration								

1.5.1		Number	Name	1310			1490			1550		
				Pass	Warn	Fail	Pass	Warn	Fail	Pass	Warn	Fail
1310	-35dBm	1		0	0	0	0	0	0	0	0	0
		2		0	0	0	0	0	0	0	0	0
1490	-40dBm	3		0	0	0	0	0	0	0	0	0
		4		0	0	0	0	0	0	0	0	0
1550	-40dBm	5		0	0	0	0	0	0	0	0	0
		6		0	0	0	0	0	0	0	0	0
		7		0	0	0	0	0	0	0	0	0
OPM	1310 0dBm	8		0	0	0	0	0	0	0	0	0
		9		0	0	0	0	0	0	0	0	0
COM3 ∨	Disconnect	10	20030055	-10	-20	-30	-10	-20	-30	-10	-20	-30

2. Next, double-click on each field that you would like to change to set the name and thresholds for the different wavelengths.

PON Power Meter

PON Power Meter		UploadData	ThresholdSet	Calibration								

1.5.1		Number	Name	1310			1490			1550		
				Pass	Warn	Fail	Pass	Warn	Fail	Pass	Warn	Fail
1310	-35dBm	1	Test1	-10	-15	-30	-10	-25	-40	-5	-10	-20
		2		0	0	0	0	0	0	0	0	0
1490	-40dBm	3		0	0	0	0	0	0	0	0	0
		4		0	0	0	0	0	0	0	0	0
1550	-89.74dBm	5		0	0	0	0	0	0	0	0	0
		6		0	0	0	0	0	0	0	0	0
		7		0	0	0	0	0	0	0	0	0
OPM	1310 0dBm	8		0	0	0	0	0	0	0	0	0
		9		0	0	0	0	0	0	0	0	0
COM3 ∨	Disconnect	10	20030055	-10	-20	-30	-10	-20	-30	-10	-20	-30

3. Once you have set your thresholds, click on the chart again so that all the entries are yellow, and **DO NOT CLICK ON THE "UploadThreshold" BUTTON AFTER THE THRESHOLDS ARE SET.**
4. Simply disconnect the unit, and remove it from the PC and the new thresholds will be set.

<u>Calibration</u>

1. You can Calibrate individual wavelengths by selecting the "Calibration" tab on top.

2. Here you can calibrate the wavelengths for PON and standard power meter readings by changing each value and clicking on the corresponding "Calibration" button.
3. After calibrating, disconnect the device and remove it from the PC.