# **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.

PON Power Meter		- 0	×
PON Power Meter	UploadData ThresholdSet Calibration		
	Number DataName ONT:1310nm OLT:1490nm VIDEO:1550nm ThresholdNumber ThresholdName DataLevel	DateTime	
1310			
1490			
1550			
ОРМ			
COM3 Y Connect			
COM1 COM3 UploadTestData			
DeleteTestData			
ClearTestData			
SaveTestData			
FactoryReset			
English ~			

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:

PON Power Meter										_		$\times$
PON Power Meter	UploadData	ThresholdSet	Calibration									
1.5.1	Number	DataName	ONT:	1310nm C	DLT:1490nm	VIDEO:1550nm	ThresholdNumber	ThresholdName	DataLevel	DateTi	me	
1310 -51.08dBm	1	?	-3	5 (Fail)	-40 (Fail)	-40 (Fail)	10	20030055	Fail	10/6/2020 4	4:00:00 F	M

- 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.

# Uploading Thresholds

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

PC	ON Power Meter	UploadData	ThresholdSet	Calibration								
1.5.1		Number	Nomo		1310		1490			1550		
1210	-25dPm	Number	Name	Pass	Warn		Pass	Warn		Pass	Warn	Fail
1510	SJUBII	1		0	0	0	0	0	0	0	0	0
1490 -40dBm		2		0	0	0	0	0	0	0	0	0
	-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
1550	4006111	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	<ul> <li>Disconnect</li> </ul>	10	20030055	-10	-20	-30	-10	-20	-30	-10	-20	-30

# PON Power Meter

# 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
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PC	ON Power Met	ter	UploadData	ThresholdSet	Calibration								
1.5.1			Namo		1310			1490			1550		
1210	-25dP	-	Number	Name	Pass	Warn	Fail	Pass		Fail	Pass	Warn	Fail
1310	-5506	-55060	1	Test1	-10	-15	-30	-10	-25	-40	-5	-10	-20
1490 -40dB			2		0	0	0	0	0	0	0	0	0
	-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
1330			6		0	0	0	0	0	0	0	0	0
			7		0	0	0	0	0	0	0	0	0
OPM	1310 OdBm	dBm	8		0	0	0	0	0	0	0	0	0
l		9		0	0	0	0	0	0	0	0	0	
COM3	<ul> <li>Discor</li> </ul>	nnect	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.

# **Calibration**

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

PON	N Power Meter							
P	ON Power Meter	UploadData	ThresholdSet	Calibrati	on			
	1.5.1	PON Calibration						
1310	-51.08dBm	ONT:1310nm			-10	Calibra	tion	
		0	LT:1490nm		-10	Calibration		
1490	-40dBm	VIDEO:1550nm			-10	Calibra	tion	
1550	-40dBm	Common power meter Calibration		bration	950 0	-10	Calibration	
ОРМ	1310 OdBm		loosewave		000	-10	Calibration	

- 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.