Frequently Asked Questions:
19xx,29xx Power Meters with USB port on front

1) Where can I find the files that are on the CD, I don't know where my CD is at?

The product CD and other additional files can be found on our ftp site:
ftp://download.newport.com/

2) How can I save data for a test and then open it in Excel?

The best way to do so is to plug a USB flash drive (Thumb drive) into the power meter and save the data to it in order to transfer to your computer.

The 1935-C,2935-C, 1931-C, 2931-C and 1918 power meters all have USB data ports on their front panel, that are designed for this.

After the power meter has completed collecting the data, you can plug in your USB flash drive to transfer the stored data. Click on the Statistics soft key, which will show the calculated statistics from your data set.

When a USB flash drive is plugged in, a soft button will be available labelled "Save", press this to store the data to the USB drive.

Then open the file PM2935001.dat or similar in Excel, it will first list all the settings for the data and then all the data values. The figure below shows an example of what the data will look like in Excel.

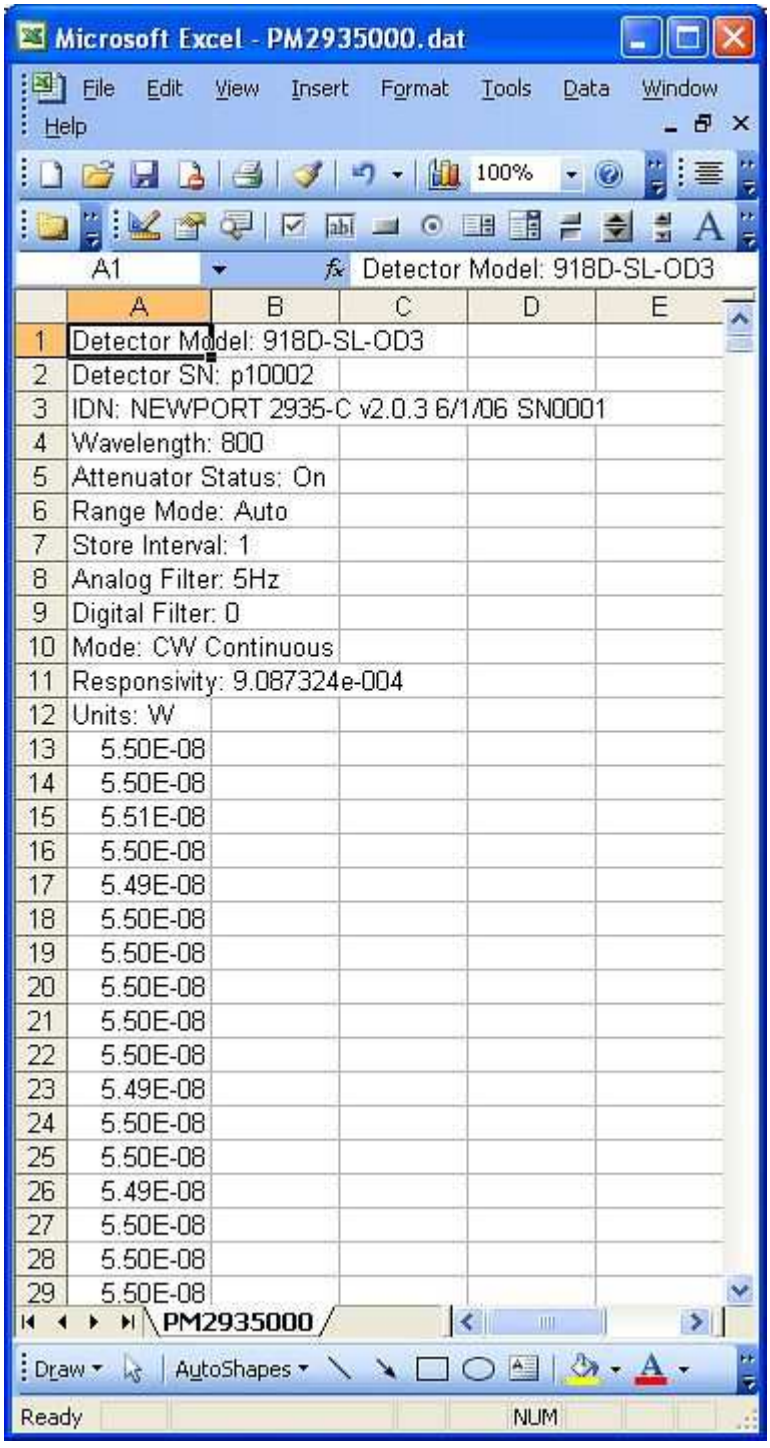

Figure 1: Excel with data from power meter

3) Where I try to use the LabVIEW drivers a DLL is missing, where can I find it?

The Power Meter CD v2.1.x was missing this file, a new CD v2.2.x or better can be downloaded here that has this problem resolved:
ftp://download.newport.com/Photonics/x935_x931_1918-C_%20Inst%20CD/

4) What remote command will restart the statistics calculations?

This will stop data collection, clear stats, then enable data collection.
PM:DS:ENABLE 0;PM:STAT:CLEAR;PM:DS:ENABLE 1

Note that the statistics will be cummulative until this command is sent again (or the Clear softkey is press on the Statistics screen of the meter)

5) How can I remotely collect synchronized data with two channels?

Here are steps on how to synchronize the data for two channels of the 2935-C
Trigger start of data collection for both channels programically and use a fixed size buffer

On the front panel or remotely set:
1. Fixed Buffer (size = 500)
"PM:CHAN 1;PM:DS:BUF 0;PM:DS:CLEAR;PM:DS:SIZE 500;PM:DS:EN 1"
"PM:CHAN 2;PM:DS:BUF 0;PM:DS:CLEAR;PM:DS:SIZE 500;PM:DS:EN 1"

2. Mode as desired (DC Continuous)
"PM:CHAN 1;PM:MODE 0"
"PM:CHAN 2;PM:MODE 0"

3. Set to start on programic trigger (Command) - (Programic soft key setting can be used alternatively)
"PM:TRIG:START 3"

4. Start by triggering (will trigger both channels) - (Programic soft key can be used alternatively)
"PM:TRIG:STATE 1"

5. Copy data to PC (can put on USB thumb drive also, using front panel)
"PM:CHAN 1;PM:DS:GET? 1-200"
"PM:CHAN 1;PM:DS:GET? 201-400"
"PM:CHAN 1;PM:DS:GET? 401-500"
"PM:CHAN 2;PM:DS:GET? 1-200"

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"PM:CHAN 2;PM:DS:GET? 201-400"
"PM:CHAN 2;PM:DS:GET? 401-500"
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6) Where is the header file that explains the computer interfacing functions available in the DLL?

This header the library files are in the Samples folder for CD install version 2.2 and greater.

Note that additional progamming samples are available on the ftp site:
ftp://download.newport.com/Photonics/19xx_29xx-C%20GeneralDrivers/