Hydrophone SPL using 485B39

Open SpectraPLUS-SC
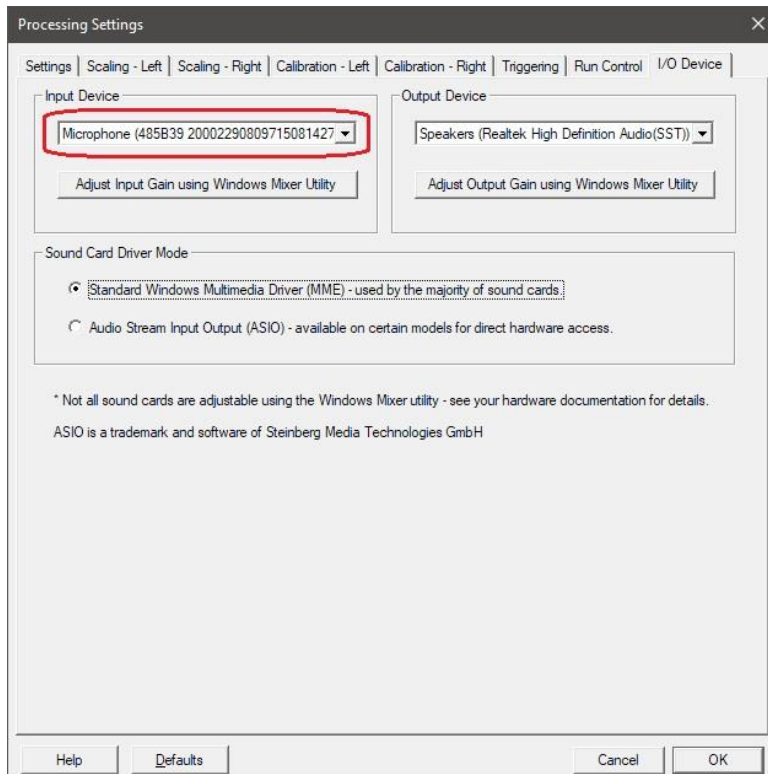
Click <Config><Load Configuration> menu and select:

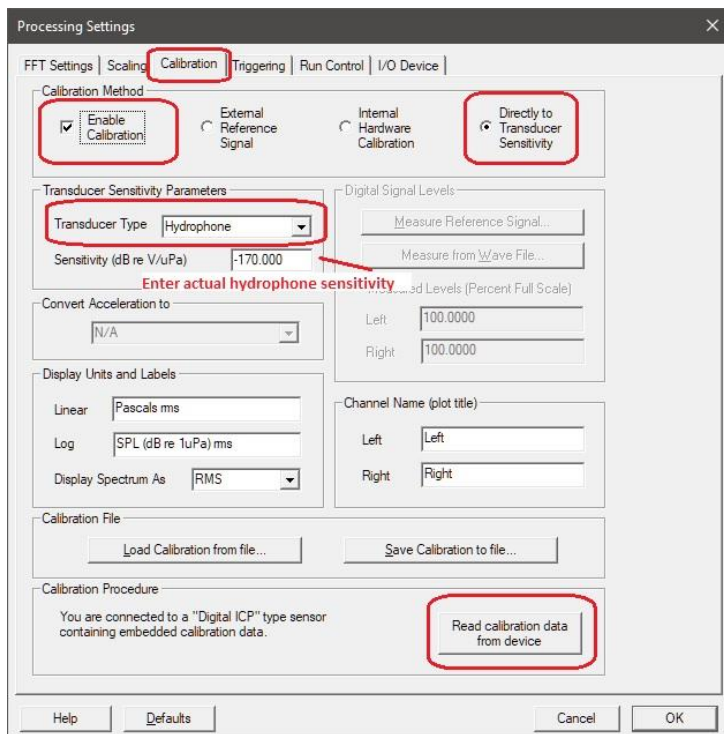Hydrophone SPL using 485B39.cfg

Click the <Options><Processing Settings> menu

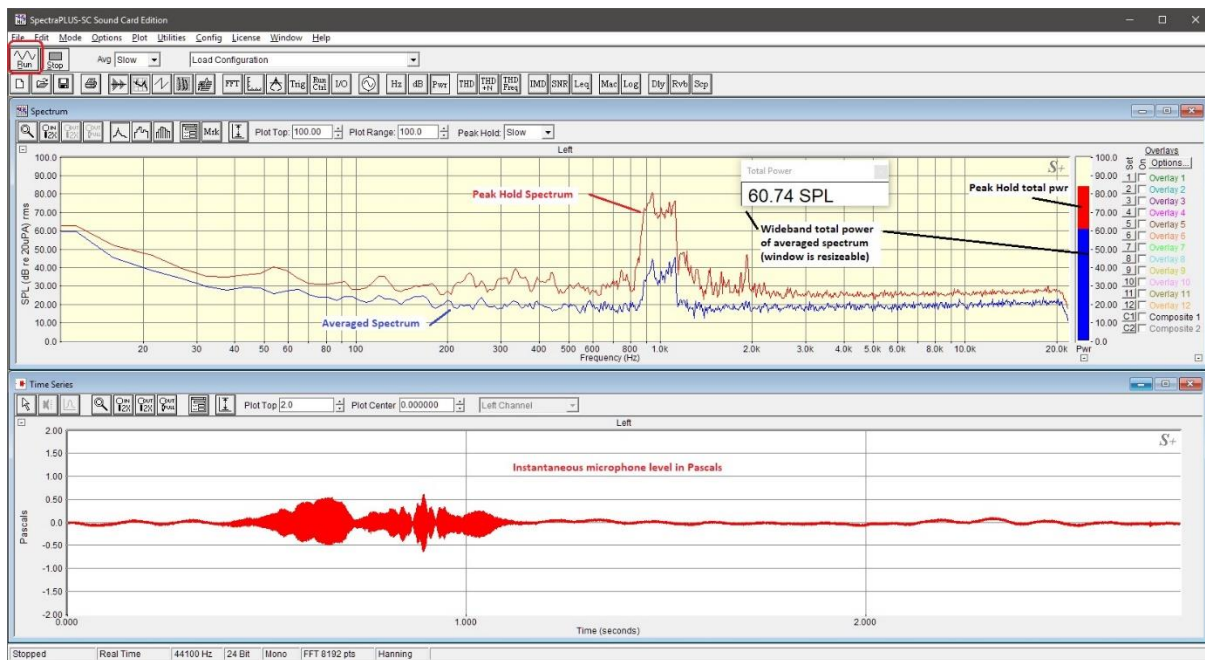Go to the "I/O Device" tab and select the 485B39 as the input device

Go to the "Calibration" tab. Enter the specific transducer sensitivity for the hydrophone that you have connected to the Left channel (1) of the 485B39.

Press the "Read calibration data from device" button – this will read the cal data from the 485B39 and apply it.

Press Ok to close the processing settings dialog box.

Press the "Run" button on the main application toolbar to start processing data. The screen shot below shows plots of the peak and average spectral data as well as the time series waveform.

This will allow you to continuously monitor the hydrophone data in real time. Change to the <Mode><Recorder> will allow you to record the data and save it to a file. Use the <Mode><Post Processing> menu to open existing files for post analysis.

Analysis tips:

Right click on the plot and choose the <Copy as Bitmap> menu. Then paste the plot image into Word/Excel or other application for creating reports.

Right click on the Spectrum plot and choose the <Copy as Text> menu. Then paste the underlying spectral data into Excel for further analysis or custom plotting.

The Overlay controls located on the right side of the plot allow you to create static traces of the current spectral data for comparison purposes.

See https://www.spectraplus.com/Videos.htm for helpful tips and demos