

Warning: Care needs to be taken around the tip of the catheter. The tip should not be grabbed with forceps or tweezers. It should only be handled behind the tip about 1cm back. If the tip is damaged it would only be from mishandling and can not be repaired.

Equipment Setup

Tutorial Video: <https://youtu.be/6kIBLKmijwE>

Calibration accessories required: BP-CalKit, Touhy-Borst Adaptor

1. Open the BP-CalKit. Plug the female luer connector into the black tubing.

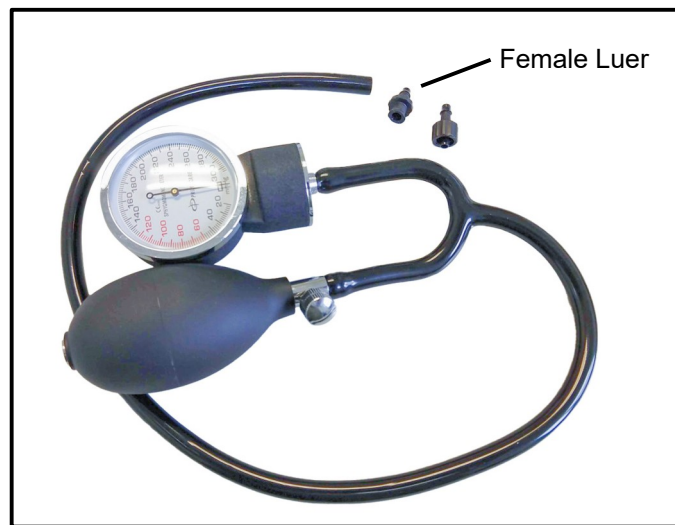


Figure 1: BP-CalKit.

2. Insert the tip of the catheter into the Tuohy-Borst adapter, so that the tip is just inside the male luer connector as shown.
3. The Tuohy-Borst adapter has an adjustable hole, which can be resized by twisting the barrel. Turn the barrel to secure the adapter around the catheter.

Tech Note

Calibrating A-IBPFOC

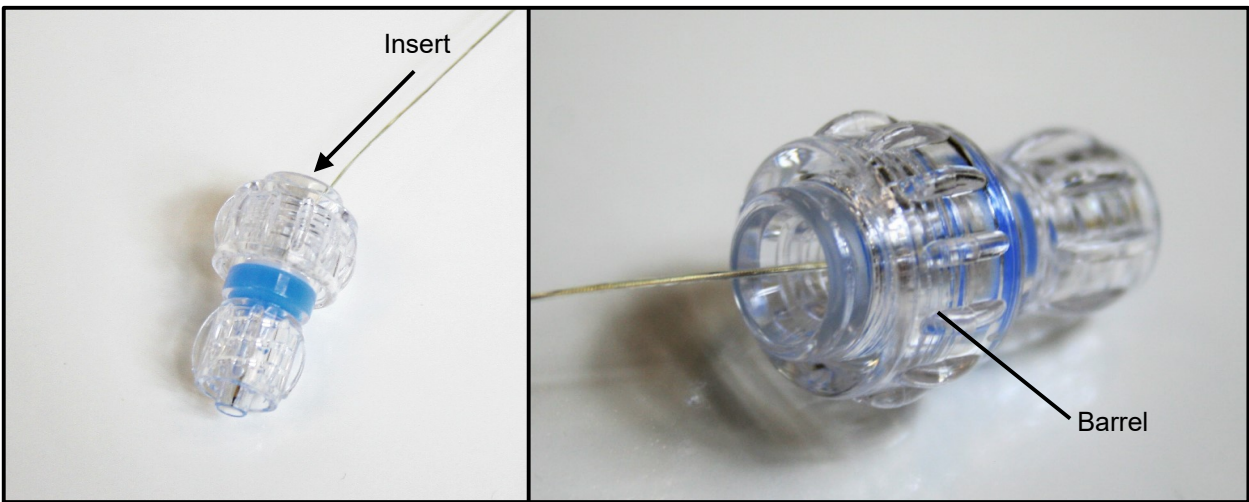


Figure 2: Tuohy-Borst adapter with catheter inserted.

4. Connect the BP-CalKit to the Tuohy-Borst adapter by twisting the tubing.

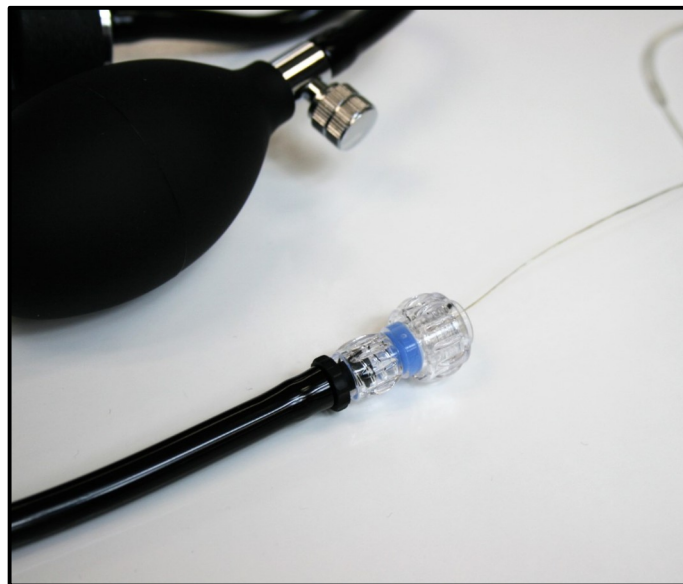


Figure 3: A-BP-CATH connected to the Tuohy-Borst adapter. The Tuohy-Borst adapter is connected to the black tubing using a luer connector.

5. Remove the dust cap on the connector of the catheter, and plug it into the port on the iWorx amplifier. The amplifier will then be connected to an iWorx recorder. See the [IA-BPFO2 User Manual](#) for complete instructions.

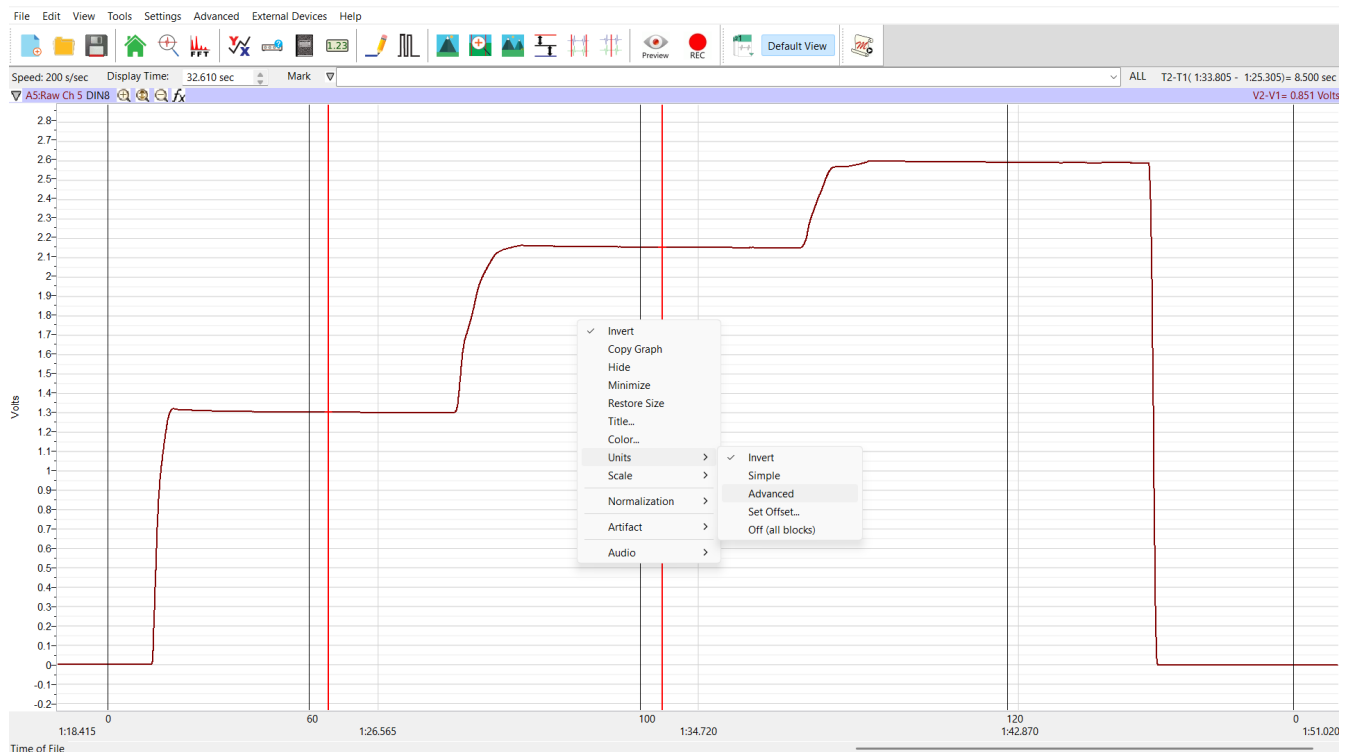
LabScribe Software Calibration

Calibration

1. Start LabScribe. A find hardware dialog will open up recognizing the recording device.
2. Enable the recording channel that the catheter is plugged into.
3. Press the red REC button to start the recording.
4. Increase the pressure, using the bulb to 60 mmHg. Hold the pressure steady for a few seconds.
Note: If the pressure does not hold steady, tighten the Touhy-Borst adapter.
5. Type "60" into the Mark box at the top of the toolbar and press enter.
6. Increase the pressure, using the bulb, to 100 mmHg. Hold the pressure steady for a few seconds.
7. Type "100" into the Mark box at the top of the toolbar and press enter.
8. Increase and mark the pressures at 60 mmHg and 100 mmHg, we will use these values to verify the calibration.
9. Stop the recording by pressing the black STOP button.

Unit Conversion

1. Right click on the pressure channel and choose Units → Advanced.



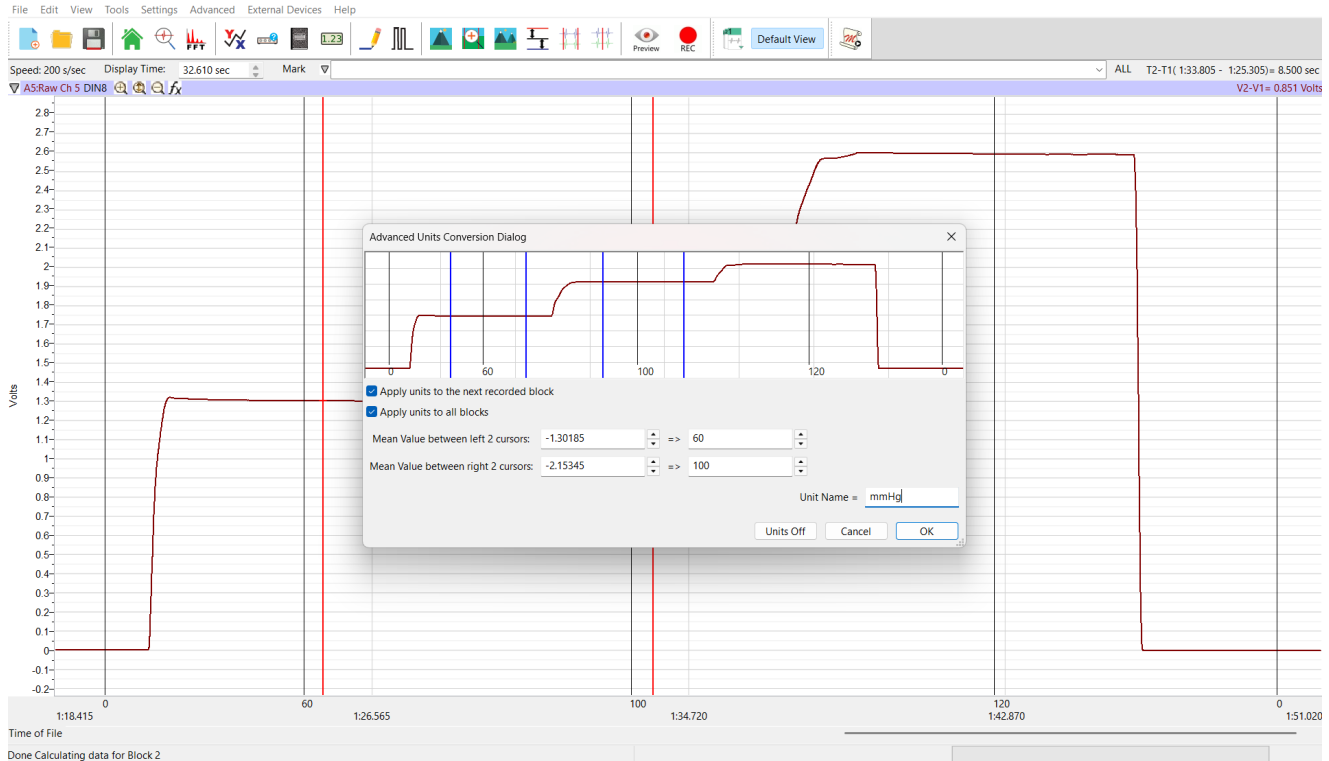
2. Place the left 2 cursors over the region that corresponds to 60 mmHg.
3. Place the right 2 cursors over the region that corresponds to 100 mmHg.
4. Check the Apply units to the next recorded block
5. Check the Apply units to all blocks. This will apply the units to channel on all the previously recorded blocks.

TechNote

Calibrating A-IBPFOC



6. Set the values in the right side text boxes to 60 (mean value between left 2 cursors) and 100 (mean value between right 2 cursors).
7. Set the units to mmHg.
8. Click OK.



The channel is now calibrated to read in mmHg. Use the single cursor mode to check the values to ensure the calibration is accurate.

TechNote

Calibrating A-IBPFOC

