Sensors:

LPMSB2-3036A6 (USB cover and black tape)

LPMSB2-4B321A

Application: LPMSControl V1.3.5

Click Connect: Add/remove sensor: Add both devices

Select preferred device from drop down menu

Click Connect (lightning bolt) button

Bluetooth password should pop up, press yes, allow it to connect. Under sensor status:

Once it shows up: Make sure the IMU ID is different.

A6 = IMU-1 = head (USB cover and black tape)

1A = IMU-2 = chest

Click Set Offset (four arrows pointing towards each other) when both IMUs are flat on the table to calibrate. You want the recording to say zero and for the recording to be a straight line.

View: 3D Video Mode 2

Save data: click record file (to the left of to “Record filename” on top bar)

Make a folder on the desktop to save the files.

Naming Scheme for file: 2019-09-18 Type of Surgery (microscopic ear, endoscopic ear, thyroid), Type of Surgeon (resident, fellow, attending), baseline vs test

Record data: stack of four lines to the left of “record filename”

3D visualization = orientation

Stop recording. Saves automatically.

When we do this, we want the first 60 seconds or 30 seconds to be “ideal surgical position.”

For each surgery:

* 1 baseline recording: 30 second – 60 second recording of surgeon in ideal surgical position. We will save this as a separate file named “baseline.”
* Surgical recording: Start at incision time and end at point where surgeon scrubs out (or until the battery runs out)

File Naming Convention:

Date Baseline Subject

Date Surgery Subject

Year-Mo-Da Surgery (Open Thyroid, Transoral Thyroid, Endoscopic Ear, Microscopic Ear) Subject (PGY1,PGY2,PGY3,PGY4,PGY5,Fellow,Attending)

Example: 2020-02-11 Microscopic Ear Fellow