Force transducer calibration with computer recording

**Principle:**
Before we could use the force transducer and the computer recording system, we need to calibrate the system to set the baseline and calibrate the system.

**Procedures:**
1. Turn on the power supply to the amplifiers and leave it on.
2. Leave the force transducer connect to the basic connecting devices (hook and string) without any additional weight.
3. Set Input Section to Bridge 2K, Balance Voltage to 40 and ½ AMP to 35 Hz.
4. Set the computer detection scale between 10 and -10.
5. Set “Sensitivity MV/CM” dial to 5 or 10.
6. Use base dial to adjust baseline to close to 0.
7. Turn “Sensitivity MV/CM” dial to 2 and the baseline will change.
8. Turn “Voltage” dial (1 MV/Turn) to bring the baseline back to 0.
10. Repeat step 7-8 until when turning “Sensitivity MV/CM” dial the baseline does not change.
11. Adjust Baseline to 0.
12. Add 50 g weight standard and adjust Adj. Cal such that the reading is 2.5.
13. Double-check the readings for no weight and weight of 50 g.
14. With this calibration, the measure force will be the voltage reading x 20.