Units are micro strain

To zero the displacement gauges: Loosen the screw on them, and turn the dial to zero

The distance between each hole is 1 inch

Initially, place the hook thing at both screws for bending, then move it 10 inches to simulate torsion

Aluminum bar on the left, composite on the right

To connect the strain readers to another bar, pull the clamps in the back on the harness outwards, and pull gently

If the gauges are not connected before entering lab, wait 5 minutes after plugging in to ensure they warmed up

1. Zero displacement gauges
2. Balance the strains on the computers by clicking the rod tilted icon
3. Click the record button (right above the balance button)
4. Have it on manual recording, channel 1, 2, 3, and on this computer
5. Click record before hanging weight, and record on a piece of paper the displacement gauges values
6. hanging the rack by itself is 1 lbs of weight
7. Every time you hang a weight, record the strains
8. Record the displacement gauge values as well as the strains
9. Add more bigger plates
10. FOR BENDING TEST: add two more of the small plates at the end and record
11. If the offset is NOT zero at the end, retry the experiment
12. MAKE SURE THE DISPLACEMENT GAGUES ARE VERTICAL
13. 7 rows = good