

View from below showing normal force


Amplifier gains:

- Shear Gain : ~30.3 (= 100k / 3.3k, $5 \%$ resistor)
- Normal Gain : $\sim 45.45$ ( $=100 \mathrm{k} / 2.2 \mathrm{k}, 5 \%$ resistor)

Calibration - Linear Square Fit (zero intercept)

- Normal ( N ) $=0.0062577$ * Normal Sensor Sum
- Shear $(N)=0.0052503$ * Shear Sensor Sum


Section A-A, and detail of tangential force sensor

$\sum M_{x}:-f_{4} w / 2+f_{5} w / 2-F_{n} y=0$

Questions: How can we tell if we got a good reading? What test can we do to confirm accuracy? How can we correlate measured forces with motions? How can we export data? Your notes:

