

How to collect friction measurements

Physics 23 Lab

Missouri University of Science and Technology

Force sensor on stand for calibration

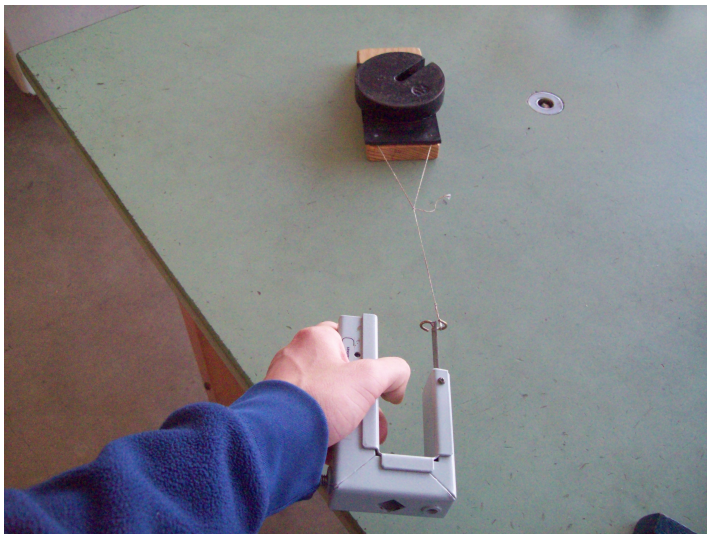


Force sensor on stand with hanging mass

The applied load is bending the arm



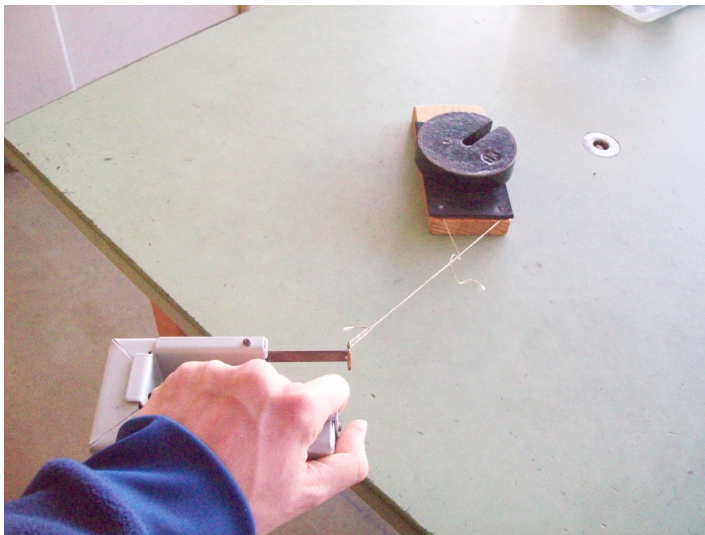
WRONG: Force sensor perpendicular to load (WRONG)



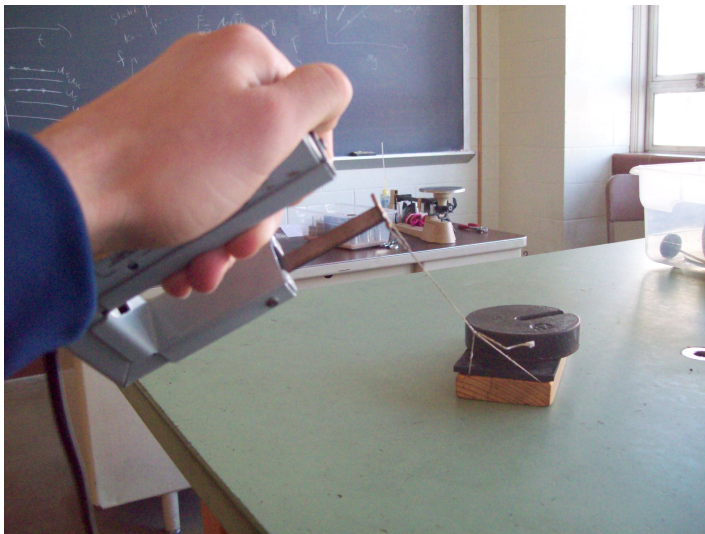
WRONG: Force sensor perpendicular to load (WRONG)



WRONG: Force sensor at angle to load (WRONG)



WRONG: Force sensor at above load (WRONG)



CORRECT! Force sensor level and in line with load

