5. Friction of a String (8 points) Measure the dynamic coefficient of friction μ_1 between the ballpoint pen and the string. Estimate the uncertainty. It might help that the dynamic coefficient of friction between the pencil and the same string was measured beforehand and $\mu_2 = 0.20 \pm 0.01$ was obtained.

Equipment: dynamometer, string, ballpoint pen, pencil and weight.