**Measurement Protocol**

Initial definition of the task: apply 10 V for 10ms.

The VI I’m using: Maximum\_Acceleration. The other ones is what Dominik helped me to build, but they don’t work.

I’m interested in measuring position difference over the measurement time, from which I can calculate acceleration (second derivative).

Measurement to TDMS to accurately calculate position change and hence acceleration. This needs to be implemented in Labview. Just recording the position change over a certain time is not enough for finding acceleration.

Described above is not possible, because the measurement is too fast. Therefore, the measurement needs to be taken by hand. Assume linear position increase and based on that calculate velocity and acceleration.

Repeat the measurement 5 times to be sure.