

## Encoder measurement

On the same setup, I also have a **US digital E6 encoder** with 2000 CPT, with which I want to measure the output angular displacement.

Questions:

1. On my setup, I will be using a 12V Li-Ion battery to power the geared DC motor. Can I use the same battery to power my encoder?
2. If the encoder reads 200 counts at time  $t_0$ , and 4200 counts at time  $t_1$ , how much did the motor shaft rotate?