**Calculating dV/dt algorithm:**

DeltaV = 0.01 V

Range\_dV/dI = {min, max}

Range\_Power = {min, max}

In a loop {

**Start at V1 = 1V**  
**Measure I1 (#by measuring Voltage through another input pin of the MC)**  
**V2 = V1 + Delta**  
**Measure I2**  
**deriv = delta/(I2-I1)**

Check if deriv is in the desired range  
if not then continue  
else break

}

?