

Buffered voltage divider
Vout = 100 mV
 $G = .1/(.1+R_{pot})$
G from 1 to 0.005

Power Supply with linear regulator
Vout = 4.86-5.01 V

Load cell bridge
3.5 mV
Common mode 2.5V

INA Amplifier, G=100
Vout = 100mV (ref) + 350 mV (signal)
 $G = 5*(1+R_{pot})$
G from 5 to 105

OPA closed-loop amplifier, G=10
Vout = 1V (ref) + 3.5 V (signal)
 $G = 1+R_{pot}$
G from 1 to 21

12-bit DAC, input between 1 and 4.5V

