

Power Supply with
linear regulator
 $V_{out} = 4.86\text{--}5.01\text{ V}$

Buffered voltage
divider
 $V_{out} = 100\text{ mV}$

OPA closed-loop amplifier, $G=10$
 $V_{out} = 1\text{ V (ref)} + 3.5\text{ V (signal)}$

12-bit DAC, input
between 1 and 4.5V

Load cell bridge
 3.5 mV
Common mode 2.5 V

INA Amplifier, $G=100$
 $V_{out} = 100\text{mV (ref)} + 350\text{ mV (signal)}$

12V power supply

