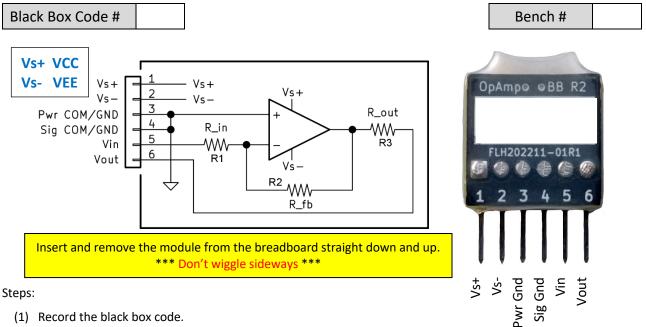
Student Name: LA0

ENSC 220 Lab Test #1



- (1) Record the black box code.
- (2) Set the power supply to ± 12 V, 30 mA current limit.
- (3) Wire-up a voltage divider for an input signal.
- (4) Connect the appropriate power and input voltage.
- (5) Measure input voltage, open-circuit output voltage, input current and short-circuit output current.
- (6) Compute R1, R2 and R3.

Supply Voltages when the black box is powered

V _{cc}	VEE

Measurements

V(input)	l(input)	Open Circuit Output Voltage	Short Circuit Output Current
V	mA	V	mA

Computed values

R1	R2	R3

If your computed resistor value is greater than 1000Ω , present that value in KQ. If not present it in Ω

if your computed resistor value is greater than 1000s2, present that value in ksz. In not present it in sz.			
R1	R2	R3	
Ω	Ω	Ω	

For this Lab Test: Do not reset or power-OFF the Power Supply

Use the back of this page to show your calculations

For TA/Instructor use only			
I-L (L)	I-L (R)	DMM Probes	

Student Name: LA₀