

Operator Interface consists of

4 (4 digit 7 segment displays) on I2c. Each with their own address
Address 0=Velocity, Address 1=Power, Address 2=Rep Cnt, Address 3=Weight Value

1 Start/Stop Toggle switch

1 Encoder with chnA, chnB and pressing it inwards provides an “enter” input

20 segment led array

3 Modes

1-Set Up

A Default to set up at boot up

B set up allows user to spin an encoder and enter the weight value which displays range is 0 to 995lbs and increments by 5's.

**Nothing else happens in this mode, excepting the changing of 1 variable.

2-Work Out

A This mode starts by turning the selector switch ON

B show led arrays (already working)

C Count Repetitions and post for user after the rep is complete.

D Calculate Peak Velocity and post 1 time for each rep after the rep is complete

E Calculate Peak Power and post 1 time for each rep after the rep is complete

**Turning the encoder in this mode still allows the weight val to change

**More than 1 sensor blocked at a time results in a “----” on address 3

3-Review

A This mode starts by turning the selector switch OFF

B do not show led arrays (already working)

C user spins the knob and reviews his data from rep 1 to rep N -starting at rep1

D pressing enter bounces it back to set up