

Press and Hold the **ZERO** button until the instrument enters into the configuration mode. Display shows (P...x, then C...x, then AC...?). Enter the Access Code (Factory preset at 0, 0, 0, and 0) by pressing the **GROSS/ NET** key 4 times, then the **PRINT** key to gain access to the calibration and configuration menus.

When the display reads SEL.CFG use the **ZERO** key to enter into the menu and step through each category. Use the **GROSS/NET** key to select the parameters desired to be used and then use the **PRINT** key to save the data and return to the main menu.

NOTE: System capacity is defined by the combination of Steps "1", "2" and "3".

STEP	PARAMETERS (display reads)	DEFINITION
1	5, 10, 15, 20...100, 120... or 1000	Number of displayed divisions x100 , 100 = 10,000 divisions
2	1, 2, 5, 10, 20, 50, or 100.	Count by selection: 10,000 divisions, count by 2 = 20,000
3	0, 0.0, 0.00, 0.000, or 0.0000	Decimal point position selection
4	105P or 9d (105% or 9 divisions)	Overrange selection (Percentage or divisions)
5	1, 2, 4, 8, 16, or 32	Digital filter selection (averaging)
6	OFF, 0.5, 1, 3, 5, or 10 (divisions)	Auto Zero Maintenance (AZM) Range
7	1.9, 5, 10, or 20, FS (% of capacity)	Zero range selection: 1.9% of 2,000 x 0.2 = 38.0 lb
7.1	OFF or ON (ISM)	Zero the scale upon power-up
8	OFF, 1, 3, 5, or 10 (divisions)	Motion Band selection
9	LB, KG, or CON	Units selection and conversion
10	NT, GTN, N.NT, or N.GTN	Port 1 serial output selection: nt = display only, Gtn = Gross Tare Net and n.nt / n.Gtn inhibit negative gross printing
11	OFF, CO, or DE	Off, Continuous, or Demand
12	7o, 7E, or 8n	7- odd, 7- even or 8- none
13	12, 24, 48, or 96	Baud rate selection (x100), Ex. 96 = 9600 baud
14	OFF, 1, 2, or 3 (seconds)	Delay between lines being printed
20	NT, GTN, N.NT, or N.GTN	Port 2 serial output selections (see 10 above)
21	OFF, CO, DE, or LN	Off, Continuous, Demand, Network
22	7o, 7E, or 8n	7- odd, 7- even or 8- none
23	12, 24, 48, or 96	Baud rate selection (x100)
24	OFF, 1, 2, or 3 (seconds)	Delay between lines being printed
25	1 thru 16 (for RS485/RS422)	Network address selection
30	OFF or ON	DIO Inputs

Display example would be: 1\_\_ 100, which means Step 1, parameter selection 100 (=10,000 display divisions)

## CALIBRATION : “SEL.CAL:” (Model 7400- 5 button front panel)

After using the configuration mode to establish the weighing parameters of the system, return to the **SEL.CFG** display.

Use the **GROSS/ NET** key to cycle the display until it reads **SEL.CAL**.

Now use the **ZERO** key to enter the calibration menu (indicated by a flashing “C” on the left side of the display).

NOTE: Zeroing the scale (dead load) and / or adjusting span (single or multi-point) are independent, therefore either can be preformed and repeated as many times as desired (necessary) before exiting the calibration mode. If an error has been made during the calibration function you can simply exit without saving the value and the unit will return to the prior setup.

### SETTING ZERO

Use the **ZERO** key to acquire a zero setting and remove any “dead load” that may be on the scale.

#### Example of establishing zero:

KEY (FUNCTION)	DISPLAY READS	DEFINITION
(Dead-load weight 123 lb)	“C”__123	Cal mode scale reading
<b>ZERO</b> (acquire dead load)	“-----” to “C__0.0”	Acquires new dead load

The system zero is now set inside the instrument, with the dead load of the scale removed from any future calculations.

### SETTING SPAN

Place a known weight onto the scale platform. (example 5000-lbs), it is likely that a positive number will appear that is NOT the number 5000 (ex. 4995 see below). Using the **GROSS/ NET** and **TARE** keys, set the number on the display to match the weight on the scale platform (in our example 5000). See below.

Use the digit select (**GROSS/ NET**) key and the increment +1 (**TARE**) key to establish the correct span weight

PRESS KEY	DISPLAY READS	WHAT IS HAPPENING
<b>GROSS/NET</b> (adjust span)	004995	Freezes display for adjustment
<b>GROSS/NET</b> (select digit)	00499”5”	Least significant digit flashes
<b>TARE</b> (increments digit)	00499”0”	Increments flashing digit +1
<b>GROSS/NET</b> (select digit)	0049”9”0	2 <sup>nd</sup> least significant digit flashes
(Adjustment complete)	005000	adjusted value
Press the <b>PRINT</b> key	----- will appear	Unit is saving the span value

The display will now show the correct weight, and the “C” prompt will be flashing.

Press the **PRINT** key to exit the CALIBRATION mode. Press the **PRINT** key again to exit the setup mode.

The display will now flash **SAV.?** flashing **NO**; use the **TARE** key to select the yes or no answer desired, and then push **PRINT** to store the changes. Press the **PRINT** key again and the display shows **ENT.AC** which allows you to change the access code by entering a new four digit code, or press **PRINT** again to skip this step with no new entry.

Note: Changing capacity and/or count-by settings may require exit and re-entry prior to calibration.