## Setting up the 9840 Load Cell Indicator

**(1)** 



Before starting anything, be sure to first plug in the sensor(s) you will be using.

**(2)** 



To turn on the 9840 Load Cell Connector, reach behind in the back corner and flip the switch up.

(3)



As it starts up, you will see a series of screens introducing you to the 9840 Load Cell Connector and displays of the settings from its last use.

**(4)** 



In starting out, you will see ">User Data Entry" on the screen.

To enter setup mode, press the two end buttons at the same time (◀ and ▶).

(6)

Before you can enter the calibration settings, you will be required to enter a password.







+ or — to select the numbers while
pressing ◀ to move to the next digit.
Then press ENTER.

(5)



After being brought to the next screen,
press ► 'till you get to the
">Calibration" option and
then press ENTER.

**(7)** 



Select the measurement cell type that you are using. For this example, we are using a load cell, so we select "Load".

Then press **ENTER**.

(8)



Press ► until you get to the ">>Cal by mV/volt" option and then press ENTER.

(9)



Using ▶, select ">>>2-Point mV/V Cal" and then press **ENTER**.

(10)



+ or — signs then ◀ for the next digit.
When you're finished, press ENTER.

(11)





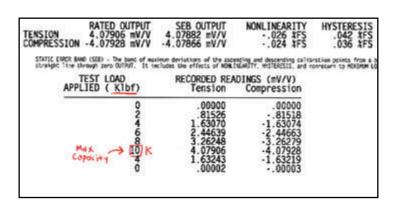


Enter the month using the + or — and then ◀ for the next digit(s). Do the same for the day and year, and press **ENTER** after each one.

(12)



Select the necessary unit of measure and press **ENTER**.





Next, you will need to refer to the sensor's Calibration Certificate. In it, identify the value for the max capacity and enter it into the 9840 using the same buttons: + , — , ◀ , and ▶.

For this example, the max capacity of the 1210AF is 10K, so we enter "10000" and then press **ENTER**.

.....

(14)

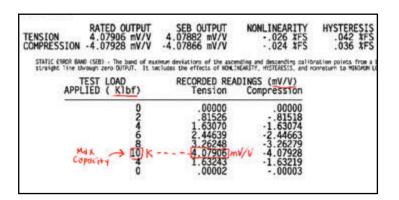


Enter the voltage excitation using buttons +, —, ◀, and ▶.

Then press ENTER.

(15)

For the next display, you will be required to enter the mV/V for the full-scale output of the direction that you are going to use. In this example, we will pick "Tension".



We see that the value of 4.07906 is the full-scale mV/V, correlating with the max capacity of 10K that we entered earlier.



With that information from the calibration certificate, enter the full-scale mV/V using

buttons +, -, ◀, and ▶.
Then press **ENTER**.

(16)



Check that there are no masses (no load) affecting the sensors so as to be sure that calibration begins with a zero balance.

When ready, press ENTER.

(17)



While the screen is displaying "Reading...", the 9840 is calibrating. Wait for just a few seconds for it to finish...

(18a)



Calibration setup is now complete.

(18b)



To return to the main menu, press **ESC**.