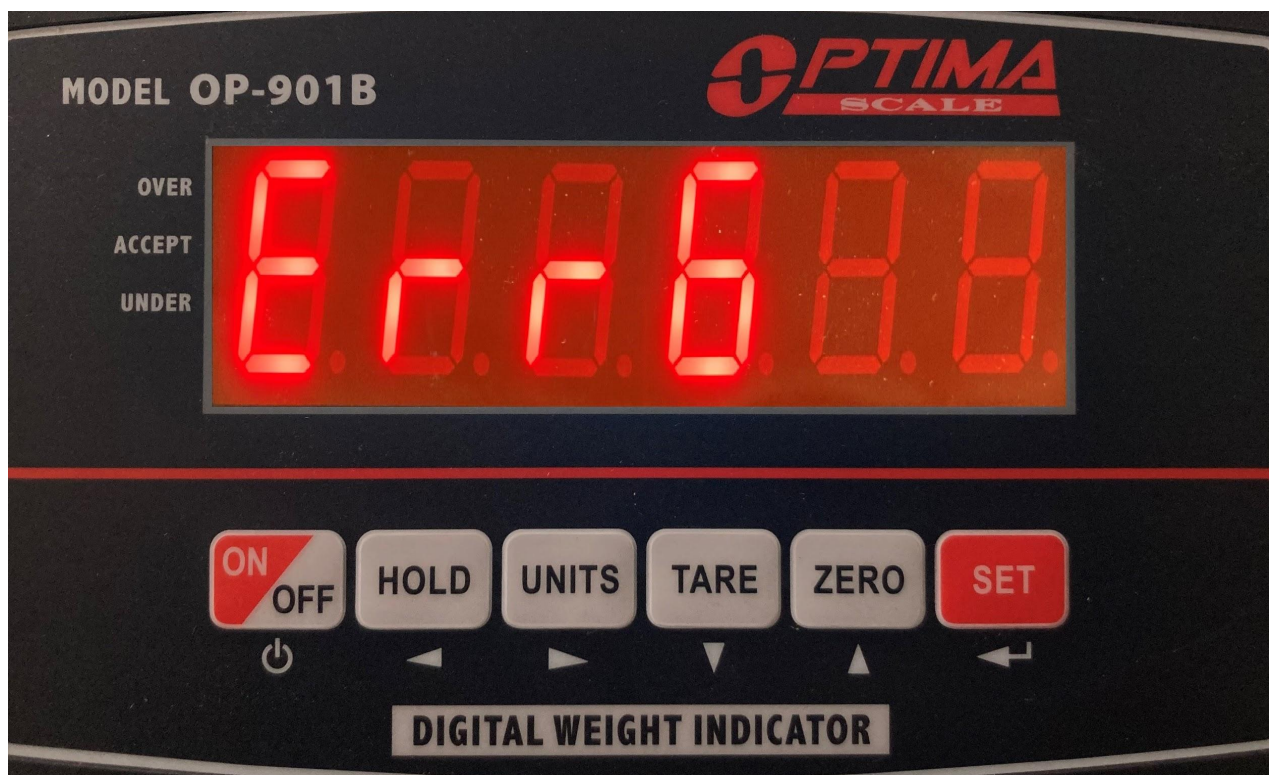# How to fix Err6 OP901 / T901

The first step would be to check the wiring.

Steps to check:
1. Check cables for any indentations, crimps, or cuts.

Examples Of Damaged Cables:

#1 reason for unstable weight is a damaged cable. If your cable is damaged, email **sales@optimascale.com** and attach a photo of the cable. You can also call our toll-free line at **800-360-9619 ext 1** to request a new cable.

2. Check your scale for damages. This could be something heavy falling on the weight beam, water damage where the scale was under a puddle of water overnight, or lightning strikes if left outside during a thunderstorm. If there was damage to the scale contact **support@optimascale.com** and explain to them your problem **with pictures**. Email is the preferred method to contact us since over the phone we will not be able to see the damage. If you can't email, call us at **1(800) 360-9619 EXT 2**.

3. Make sure the cable is attached to the indicator. **Remove the printer or scoreboard if you attached it to the indicator.**

What you will need for calibration/adjustment:

-A known weight of at least 10% of the maximum weight of the scale. If you don't have 10% of the max weight on your scale try to get as close to the 10% as possible. I use a weight of 150 lbs for this example on a 1000 lb scale. This is over 10% of the scale max capacity. Know your weight within a couple of pounds of your actual weight. The heavier the weight the more accurate your scale would be.

Steps for Calibration/Adjustment:

Step 1 Entering into calibration settings:

Press and hold the **ON/OFF** button and **SET** button at the same time for 3 seconds to get into calibration mode.

Step 2 Setting preferred unit of measures:

C01 should appear. With C01 on the screen press the **SET** button.

On the left side of the screen should show C1 and on the right side be a 1. (C1 1) 1 is the default unit of

measurement of Kilogram (Kg).

Press the **ZERO** button to make that 1 to a 2. (C1 2) 2 stands for lbs. For most people, 2 should be the set since most of our customers weigh in pounds. From now on when you weigh something it will be in pounds by default. If you only weigh in Kg keep (C1 1). Press the **SET** button when ready.

Step 3 Decimal Places:

C02 should appear.

Press the **SET** button. (C2 0) should appear. The 0 is the number of decimal places you are weighing in. If I used the scale with my weight it should be 150 lbs. If you need it to have 1 decimal

place set (C2   1) by pressing the **ZERO** button. With (C2 1) my weight on it would be 150.0 lbs. Some Bench scales may use 2 to 3 decimal places. That would make your C2 2 for two decimal places or C2 3 for three decimal places. If you input the correct decimal places press the **SET** button.

Step 4 Graduation Setting:

C03 should appear. Press the **SET** button.

(C3 1) should appear. The 1 stands for 1 graduation setting. This means the weight would increment by 1. If the previous setting, C2, was set to 0 the scale would increment by 1 lb. If I remove 1 lb it would show up as 154 lb. If C2 was set to 1 decimal place then removing 1 lb would result in the scale saying 154.0 lb. Up to you but for most customers keep (C3 1). After finishing that step press the **SET** button.

Step 5 Max Capacity:

C04 should appear. Press the **SET** button.

010000 should appear. This is the Max Capacity of your scale. The default is set to a max of 10000 lbs or 010000 on your screen. If you have 1 decimal place for

(C2   1) then 01000.0 would appear. Think about what is the heaviest thing you would be weighing. If what you are weighing is no more than 10000 lbs then nothing would need to be changed here and press the **SET** button. Got to the next step.

If the heaviest thing you are weighing is 17,000 lbs then you would change this number to 20,000 lbs. Check the capacity of the load cell by looking at the sticker on the side. If this setting is not changed then it would show UUUUUUUU when you are trying to weigh over 10,000 lbs. UUUUUUUU is called overload error. To change this value press the **HOLD** button to move left. The blinking number would move one place over. Keep pressing the **HOLD** button until the 10,000 place is lit up. Press the **ZERO** button to make that number to a 2. 020000 would appear on the screen. This means a max capacity of 20,000 lbs.

Step 6 Zero Calibration:

C05 should appear. Press the **SET** button.

(C5 0) should appear. This is the zero calibration. Make sure the scale is clear of anything that shouldn't be there. Check under the scale and make sure the feet are attached and there are no rocks or bolts

underneath. Check if the scale is not leaning up against the wall or any handle against the wall. With everything clear from the scale press the **ZERO** button to make the 0 to 1.

(C5 1). Press the **SET** button. (CAL 10) to (CAL 9) … to (CAL 1). 0 should appear on the screen if there is no weight on the scale. 0 is a good sign.

Press the **SET** button.

Step 7 Load Weight Calibration:

C06 should appear. Press the **SET** button.

(C6 0) should appear. This is where your calibration weight of at least 10% of max capacity is going to be used. I am using my weights for this example of 150 lbs. Press the **ZERO** button to make the 0 into a 1.

(C6 1) will appear. Press the **SET** button. SPAn will appear followed by 010000. This is a calibration weight of 10,000 lbs. You will now enter your weight to calibrate.

Match the number on the screen to the weight you are using. For this example, I move to the tenth's place by pressing the **HOLD** button. Press the **ZERO** button to increment the value to (000050). If (000060) was on the screen and I wanted it to be (000050) press the **TARE** button to decrement the value. Next press the **HOLD** button to move left. The tenth's place will start blinking. In my example, I keep pressing the **ZERO** button until (000050) appears. After the tenth's place move over to the hundredths place by pressing the **HOLD** button. For this example, it will be incremented once by pressing the **ZERO** button to show (000150).

This is my correct weight of 150 lbs. **Place the weight on the scale.** With the weight on the scale and the matching weight on the screen press the **SET** button. CAL 10, CAL 9… to CAL 0 will appear on the screen with some number.

Then CAL End will appear.

Remove weight from the scale. Press **SET** on the CAL End screen.

Step 8:

C07 will appear.

With nothing on the scale press the **ON/OFF** button. This will save all your work. You are done with calibration.

If everything was done correctly then 0 lbs will appear on the screen. Try putting your weight on the scale and see if the weight matches. In my example, 150 lbs appear since I set it with 0 decimal places for C02. This is my correct weight. When I remove the weight from the scale or if someone moves off the scale it goes back to zero. You can try turning the indicator off and on if something is wrong. The calibration will save if the screen is powered down.

Hope this fixes the issue for you. You might need to go through steps 1-8 again if it didn't work the first time. Make sure your weight was added for your C06 step when inputting the correct weight to the screen. Email us at **support@optimascale.com** with the title "**OP901 err6**" and we could help you with further troubleshooting. Thanks for being a great customer.