



Dual Counting Scale 1128 Assembly and Calibration Instructions 10/08

Section 1: Introduction

The 1128 Series Dual Platform Counting Scale is a two (2) platform scale. It allows the user to weigh and count on an electronic Sigma Series counting scale with a capacity of 10, 25, or 50 lbs; and on a mechanical platform with a capacity of 1000 lbs.

The scale is assembled in the same manner for any model Sigma counting scale. It is constructed with a mechanical cast iron lever system and base, metal pillar, 15325 Sigma adapter, and a Sigma electronic scale.

Upon receipt, ensure that no shipping damage has occurred. Damage to the shipping carton must be noted by the receiving party, and made known to the shipper. Claims for shipping damage are made by the receiving party to the shipper.

Section 2 : Description

The scale is factory calibrated and supplied ready to be assembled and placed into service for non-commercial operation.

Note : *Adjustments to the weighing accuracy should only be made by trained scale personnel.*

A. Terms:

Counting scale: Each Sigma counting scale is a computing device designed to count parts by calculating the piece weight from a small, known sample quantity, and dividing it into the bulk quantity weight.

Sample: *A sample is a hand-counted quantity of an item you wish to count in bulk*

Scale "A": The built-in platform on the Sigma Series counting scale, with capacities of 10, 25, or 50 lbs.

Scale "B": The 1,000 lb. capacity cast iron platform connected to the Sigma Counting scale for greater 'range' of parts that can be counted

Net: The weight of a material less the container, box, vessel etc. that 'holds' it.
ie: GROSS - TARE = NET

Tare: The weight of the container, box, vessel, etc that 'holds' the material you want to count
ie: GROSS - NET = TARE

Gross: The weight of the material + the container
ie. NET + TARE = GROSS

Units: The weight 'unit' or measurement table, lbs, kgs, grams, ounces, etc.

Scale Select: The key used to change from scale "A" to scale "B"

Section 3: Installation & Setup

A. Unpacking, ALL models :

Carefully remove all parts from the shipping carton. Check for component damage that may have occurred during shipping.

Caution: *The scale base assembly, as shipped, weighs 105 lbs., use caution when lifting.*

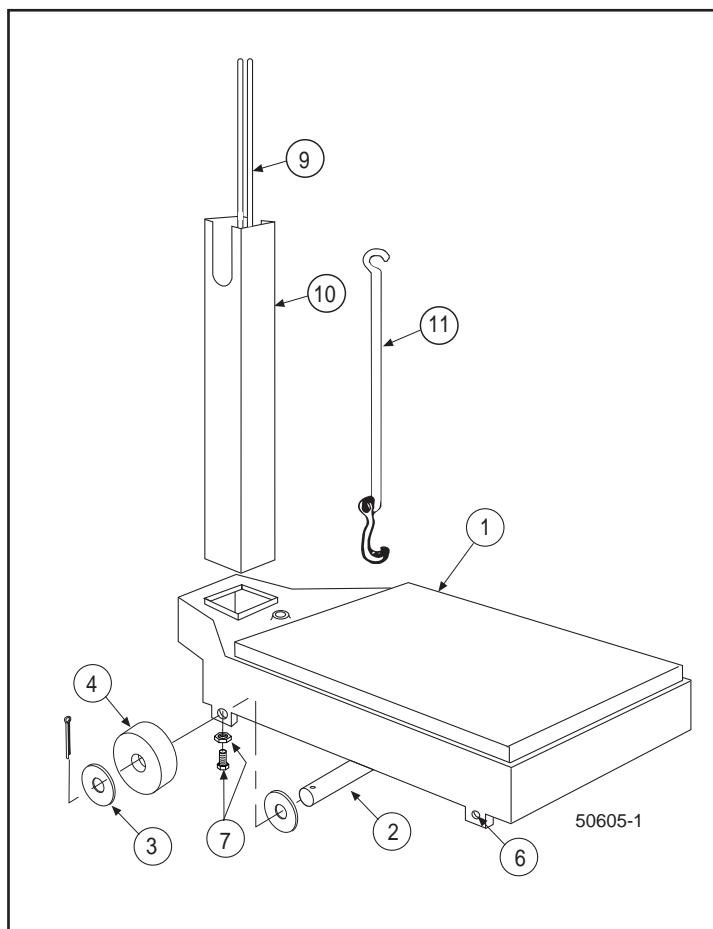
B. Assembly

Assembly is in three (3) steps:

- The scale base
- Addition of the 15325 adapter
- Securing the Sigma Series counting scale

1st Step, Assembling the Scale Base: (step numbers coincide with drawing numbers)

1. Set the scale base assembly upright, on 2 x 4 blocks or equivalent to raise off of the floor.
2. Starting with an axle, insert a cotter pin in one end, then place a washer, and a wheel over the open end.
3. Insert the axle's other end through BOTH holes (front or rear) in the base.
4. Place a wheel, then a washer over the other end and insert a cotter pin.
5. Repeat steps 2-4 for the 2nd axle.
6. 'Center' the axle's in the base, then insert the locking screws into the tapped holes in the bottom of the base (directly under the axle holes).



7. Tighten the locking screws, then secure the lock nuts.
8. Remove blocking so that the scale is on its wheels.
9. Remove the nuts and washers from the pillar rod ends, then screw the two pillar rods into the base in the 2 tapped holes.
10. Place the pillar over the pillar rods with the "slotted" areas facing to the right and left of the scale platform.
11. Insert the load rod down through the pillar, with the bent hook on top, loose hook on bottom.
12. "Hook" the load rod under the sharp pivot (knife edge) in the end of the lever in the base
13. "Hook" the upper hook over the pillar cutout (either side) to hold it in place.

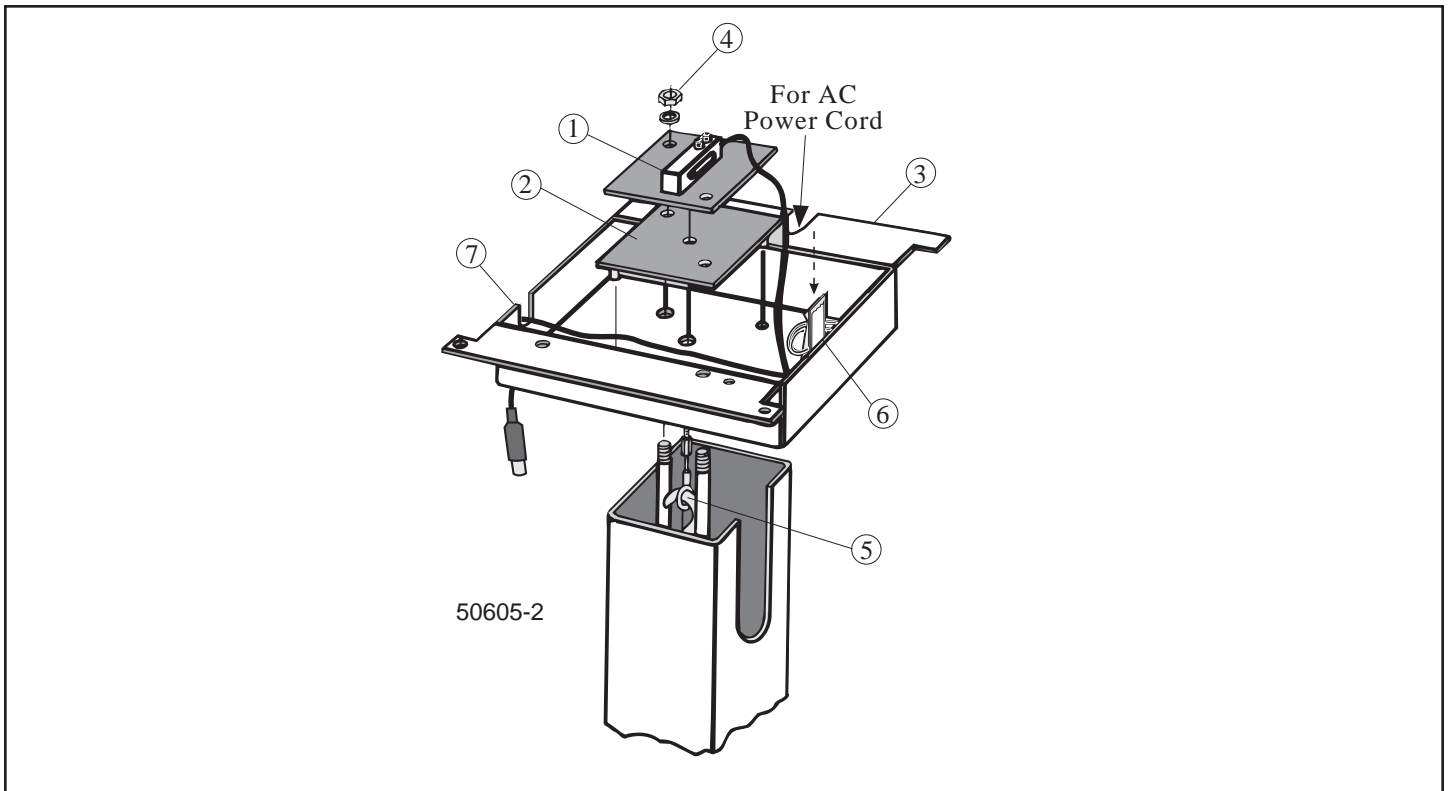
2nd Step, Installing the 15325 Adapter:

The adapter is shipped assembled except for the final attachment of hardware to the pillar assembly. It is to be mounted on the top of the pillar assembly, and then the Sigma Series counting scale is set on top of it. Step numbers coincide with drawing numbers.

1. Carefully remove the adapter from the plastic wrap. Be sure the bottom plate, (Ref 2), is firmly set into the adapter bottom with the locator pins seated, and the load cell cable 'eye' protruding from the hole in the middle of the assembly.
2. Set the adapter assembly over the two pillar rods and seat on top of the pillar.
3. Put the rod end washers and nuts on the rods and tighten securely.

NOTE: The adapter may be installed so the counting scale faces to the right or the left of the platform;
The 'notch' in the adapter will be to the back of the platform scale for a 'right side' mounting.
The 'notch' in the adapter will be to the front of the platform scale for a 'left side' mounting.

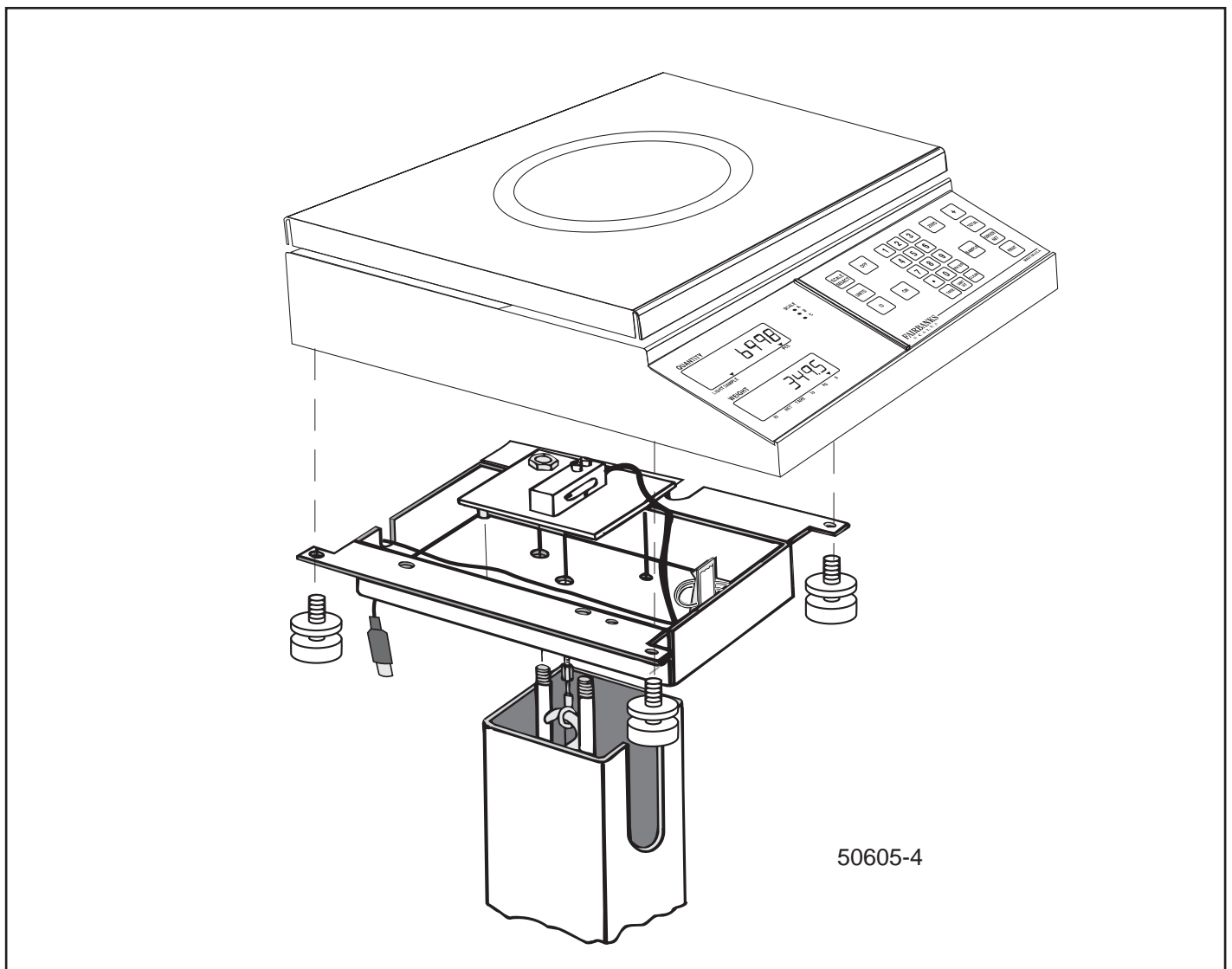
4. Put the "S" hook through the load cell cable 'eye', reaching underneath the scale where the load rod connects. Raise the lever and load rod as high as it will go. Place the "S" hook through the hook on top of the load rod and lower the lever.
5. Check the cable to be certain it is securely in the clamps and slots so it is protected and doesn't interfere with the load cell.
6. Route the cable through the slot and fit the gland bushing (not shown) into the slot so the cable is protected.



3rd Step, Installing the Sigma Series counting scale:

Unpacking - The scale comes packaged in one box, some assembly is required.

1. Unpack the parts carefully and examine for any signs of damage.
2. There will be a main instrument assembly, there is a locator plate and cover.
3. Remove the instrument and the plastic bag from the box.
4. Place the locator plate on the spider so that the 4 corner grommets fit into the depressions. The grounding contact should stick through one of the slots in the locator plate.
5. Place the weighing pan on the locator plate.
6. Remove all four (4) feet by unscrewing them.
7. Place the counting scale onto the 15325 adapter so the AC power cord or small copper ground lug goes through the slot in the bottom of the adapter (may be in front or back of the scale)



- 8. Align the screw holes and screw the feet back in with the threads going through the bracket holes
- 9. Plug the 'DIN' plug into the back where it is marked "SCALE B".
- 10. Please use the appropriate operators manual for the Sigma Series counting scale operation.

