



# *Cardinal*<sup>®</sup>

## DETECTO



## **SCS30**

### **Solar Powered Hanging Scale Operation Manual**

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## SPECIFICATIONS

Power:	Solar Cell (min. 400 LUX)
Operating Temperature:	32 to 104° F (0 to 40 ° C)
Display:	Five digit, seven segment, 1.0 inch (25 mm) high LCD
Annunciators:	lb, kg, →○← (Zero),  (Solar Charge Status)
Capacity:	30lb x 0.02 lb (15kg x 0.01kg)

## UNPACKING

Before beginning installation of your scale, make certain it has been received in good condition. When removing the scale from its packing, inspect it for signs of damage, such as exterior dents and scratches. Keep the carton and packing material for return shipment if it should become necessary. It is the responsibility of the purchaser to file all claims for any damages or loss incurred during transit. You should have the following items:

- (1) SCS30 Scale
- (2) S-Hooks
- (1) Bow Assembly
- (1) Ring Assembly
- (2) Pan Bow Nuts
- (2) Wing Nut 5/16-18
- (1) Pan



## SETUP

1. Insure that the light available is adequate to power the scale (typically an average lighted room is 400 LUX. This is adequate to power the scale.  
**NOTE:** Make sure nothing is shading the solar cell from the available light. Low lighting will result in the scale display showing L o.
2. Referring to Figure No. 1, install S-Hook on top loop of scale.
3. Hang scale from a support that is strong enough to support the scale PLUS the weight of the item to be weighed.
4. Follow the Hanging Assembly instructions to complete the required assembly.
5. The scale has been calibrated with the enclosed hanging assembly. In order to display zero, the hanging assembly must be attached.
6. Scale is now ready to use.



Figure No. 1



**WARNING!** Failure to attach the scale to a support of sufficient strength using a connector to hold the scale PLUS the weight of the item to be weighed can result in the scale coming loose and damaging the scale and/or injuring the operator and persons nearby.

## HANGING ASSEMBLY

The SCS30 is shipped with a bow and pan hanging assembly. The hanging assembly is made up of four (4) main components.

S-Hook

Bow

Ring and bow attachment hardware (Pan Bow Nuts and 5/16-18 Wing Nuts)

Pan

Assemble the hanging assembly as illustrated in Figure No. 2. The hanging assembly is then attached to the lower loop on the scale. Place pan in Ring.

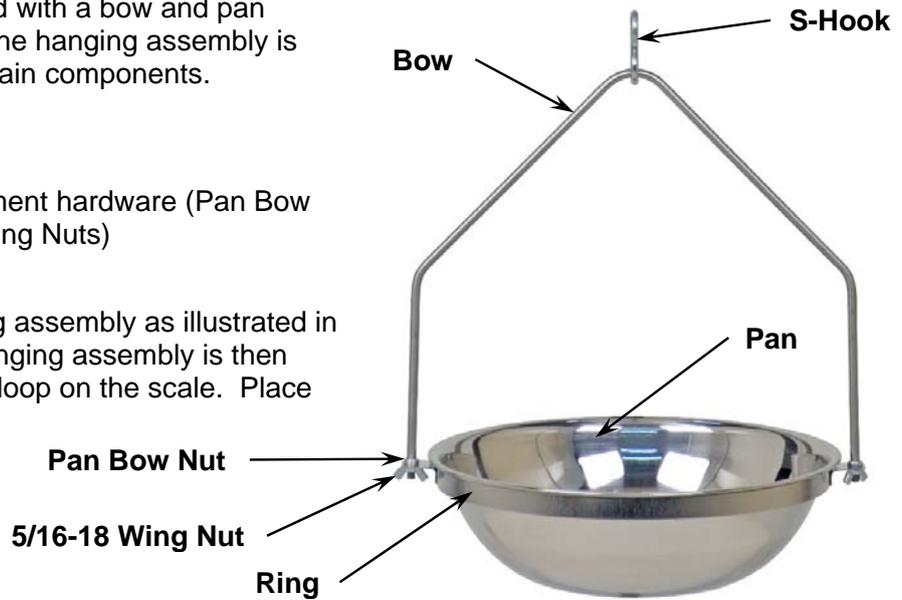


Figure No. 2

## OPERATION

1. Hang scale from a secure position with minimum 400 LUX lighting level. Make sure nothing is shading the solar cell from the available light.
2. Referring to Figure No. 3, press Zero Button to zero scale.
3. To change between units (lb to kg or kg to lb), press and hold Zero Button for approximately 5 seconds.
4. Place item to be weighed in pan.
5. Display will show weight of item.
6. Remove product and press Zero Button if required before weighing next item.



Figure No. 3

## DO'S AND DON'TS

- **DO** hang scale from a support that is strong enough to support the weight of the scale PLUS the weight of the material to be weighed. The more rigid the support the better.
- **DO** ensure that the scale is not shaded from the available light.
- **DO** avoid shock loading the scale, i.e. do not drop heavy loads in the pan.
- **DO** check the hanging assembly wing nuts on a regular basis to ensure they are tight.
- **DO** check on a regular basis the scale's supporting hardware to ensure that it continues to provide the strength necessary to support the weight of the scale PLUS the item to be weighed.
- **DO NOT** spray; water directly on the scale.
- **DO** clean scale using a damp, soft cloth and mild detergent.
- **DO NOT** use acetone, alcohol, or other volatile solvents for cleaning.

# CALIBRATION

**NOTE:** Calibration must be performed under plenty of light.

1. Referring to Figure No. 4, short Test Pins 3-4 to enter calibration mode. The display will show the internal count (zero count) when in the calibration mode. (Please note “kg” or “lb” unit for selecting the calibration weight).
2. Press Zero Button to set calibration ZERO.
3. Place 15kg or 30lb test weight in pan and wait for scale weight to stable.
4. Press Zero Button to set calibration SPAN.
5. CAL will be displayed for approximately 3-5 seconds.
6. After calibration is finished, scale will automatically return to Normal Mode and display will show 15kg/30lb.

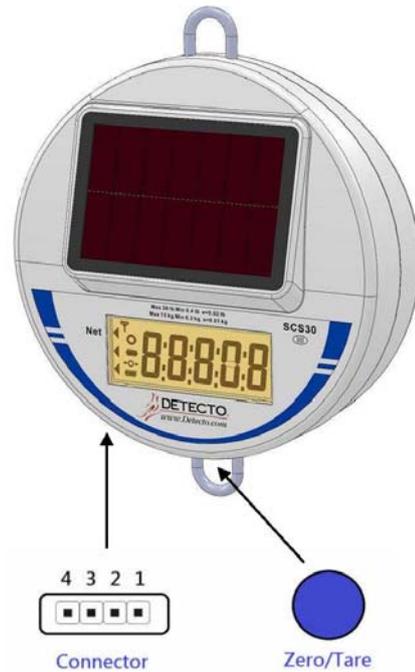


Figure No. 4

