

FIRST INSPECTION SCALE GUIDELINES



The FIRST Inspection Digital Scale consists of a platform scale, a Digital Control Head, and a set of 4 25-pound calibration weights. The Digital Display unit is located on the Inspection Cart top section Scale Box.



Locate the Scale platform somewhat close to a 120VAC outlet since the Control Head needs to be plugged into an AC outlet within 6 feet or so of the unit.

The floor must be a hard level surface and cannot be on carpet. The platform has four adjustable feet to allow the platform to be leveled and to be sitting firmly and fully on the floor. The platform should not rock or tilt on any corner. Adjust the feet as necessary for total stability.

Ideally, the platform should be positioned so as to limit foot or robot traffic to only 3 sides of the platform. The fourth side of the platform has a single 5-Pin connector along one side in the center to receive the plug from the Display unit. This side of the platform needs to be protected.

When positioning the scale, place the connector side of the platform such that the plug and cable and Display unit will be best protected from incidental contact or tangling with robots (i.e. against a wall or guarded by a table or cart).

When shipping the platform from Regional to Regional, the platform feet should be fully seated in the platform to prevent accidental loss in transit. When preparing to lay the platform at the inspection station, unscrew each footpad to expose approximately 1/8" of thread between the platform base and foot nut. Lay the platform on the floor and check for platform stability and leveling. Adjust feet as necessary for stability.

STARTING OPERATION:

Plug in the Display Unit data cable to the platform receptacle. Connect the Wall adapter into the AC Power outlet.

Press the **ON/OFF** button to start the unit. The screen should display the Arlyn logo and then change to "ready". Press the ON/OFF key one more time to bring up the weighing screen. The weighing screen is shown in this photo. In the brackets to screen left "zr" may be blinking slowly. The units "lb" is shown to the right and below the digits.



Plan to allow about 15 minutes (or longer in ice rinks) for the Scale to warm-up to operating temperature. Then the scale should be calibrated each day.

CALIBRATION:

Please note that this procedure should be performed each morning. Inspectors, however, should not re-calibrate during the day to satisfy a team's request.



Following the scale warm-up, press the **MENU** key for the *Set-up Menu*. Press the **Down Arrow** key twice for *Platform Set-ups*. Press **ENTER**.

When the new menu is displayed, press the **Down Arrow** key again three (3) times to highlight and select *Span Calibration*. When this item is highlighted, press **ENTER** again.



When span changes are being considered, the display Presents an "Are you sure?" message. Press **ENTER** to proceed; **MENU** to return to the previous menu without making changes.

On the next screen, make sure there are no weights on the scale and then press **ENTER**. This sets the "0" point for the span calibration.



The next screen asks you to add the desired calibration value. **Type 1, 0, 0, ENTER.**

Four 25-pound calibration weights have been supplied with the scale. Place all four weights onto the scale near the center of the platform. Once the weights are placed on the platform allow about 10 to 15 seconds for the scale to stabilize. Then press **ENTER** again. This will calibrate the span to 100. The screen itself will revert back to the *Span Calibration* menu.

Remove all weights at this time.

Press **MENU** and then **MENU** again to reset the unit back to the "ready" screen. Press the **ON/OFF** key one time to return to the Weighing screen and the scale reading of 0.0lb. The (zr) indicator may slowly blink On/Off.

Verify the platform will show weight by stepping on the platform.

As the scale continues to warm throughout the day it is normal for the "0" indication to bounce or drift slightly. In this case, prior to placing a robot on the scale, just press the **"ZERO"** key to reset the platform back to "0" for the measurement.

Notes for packing the equipment.

1. Carefully unplug the cables and coil them neatly prior to bubble pack wrapping and placing the Digital Control Head in the scale box.
2. Remember to screw the Platform scale feet back into the platform for shipment.
3. The scale platform goes on the cart with Diamond plate inward.

