



**Pennsylvania Scale Company**

**Model 6900/6950 Base**

**UNPACKING AND SET UP  
INSTRUCTIONS**

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*For online interactive tech support or more information on Pennsylvania Scale products, visit our website at [www.pascale.com](http://www.pascale.com)*

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## Unpacking Instructions

Remove the metal bands and cardboard and lift the base off the shipping skid.

## Setting Up The 69PB/6950

The base to indicator interface cable is located underneath the base on the same side as the junction box. The cable is attached to two clips affixed underneath the base to protect it during shipment.

Unhook the cable from the clips and uncoil to attach to the indicator.

Caution! Make sure that the base to indicator interface cable does not become caught under the leveling feet.

The leveling feet must be turned out at least two turns for proper operation of the base.

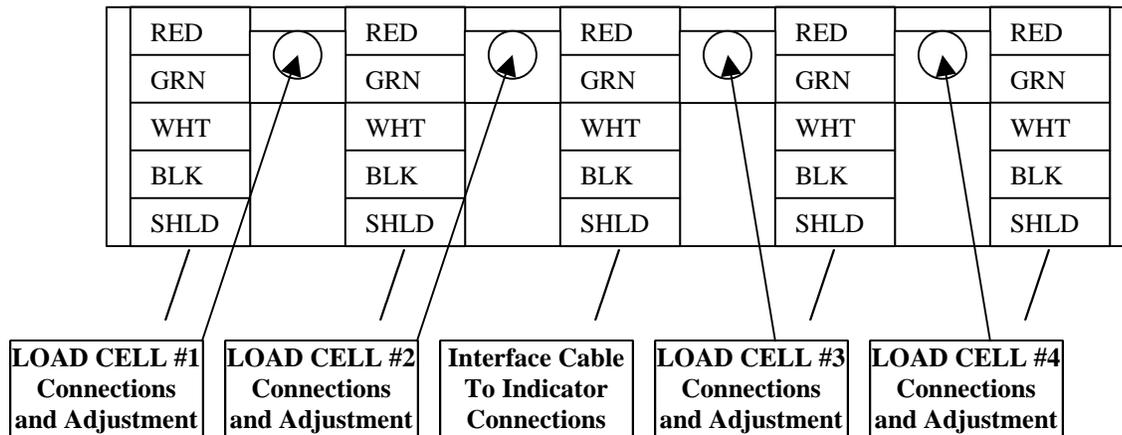
At this point in the set up procedure, the base may be placed on the floor. Access to the junction box should not be blocked in the event that adjustments to the base are required.

After the base is on the floor, adjust the leveling feet so that all four feet are in firm contact with the floor.

NOTE: For the 69PB/6950 base to work properly, the base must be supported on the leveling feet. If the leveling feet are not extended far enough and the base is wholly or partially sitting on the steel under frame, the base will not weigh correctly.

## Load Cell Wiring And Potentiometer Adjustments

The 69PB/6950 mild steel version comes with a round, CPC style connector that mates with all Pennsylvania Scale digital indicators. The Stainless Steel version 69PB/6950 comes with out this connector so that the load cell cable may be inserted through the watertight cable clamp used on the Pennsylvania Scale wash down indicators. The color codes, functions and pin assignments are as follows:



To access the junction box, remove the screws securing the small cover to the side of the base and gently pull the cover plate out.

## Load Cell Ratings

The 69PB/6950 Series Base is available in capacities of 500 to 40,000 LB capacities. The typical load cell sensitivity is 2 mv/v except 1,000 LB capacity, which is 1 mv/v.

## Calibration Instructions

Please refer to the calibration instructions for the digital indicator that will be used with the 69PB/6950 base.

## Basic Trouble Shooting

The load cells in the 69PB/6950 base have tested and corner compensated at the factory and should not require adjustment for installation. If the base is displaying inaccurate weight readings or corner weight errors, check the following before making potentiometer adjustments:

- Check the cable; is it wedged between the leveling feet and floor or in between the load cell and base structure?
- Is the base fully and firmly supported by the leveling feet? Does the base rock or tip if weight is placed on one corner?
- Are there any obstructions between the load cells and the leveling feet?
- Is the CPC connector firmly attached? Are the pins inside the connector bent or damaged?

## Attaching A Ramp

Remove the leveling feet from the load cell on the side of the base the ramp is to be installed on. Place the leveling foot stem through the ramp bracket and screw the leveling foot into the load cell. Attach the ramp to the ramp brackets.

## Operation

With the wheels in the DOWN position, move the base to the location where it will be used. Place the wheels in the UP position so that the base is on the leveling feet. Adjust the leveling feet so the base is level and does not rock when weight is placed on one corner or end. Place the ramp in the down position. Power up the indicator and allow several minutes for warm up of electronics and load cells. The system is now ready for weighing. To move to another location, reverse the above procedures.