

# **TYPE - 4200 COMMERCIAL SCALES**

## **SET - UP**

The scale is shipped ready to use. It was calibrated in the manufacturing facility with certified weights, traceable to the National Institute of Standards and Technology (N.I.S.T.).

1. Unpack the scale.
2. Suspend the scale head from a solid support which will allow the scale to swing freely.
3. Attach the pan to the scale.
4. Re-check the suspension once more. The scale must be free to swing and the pan must be suspended from the scale head in such a way that no part is touching a surrounding object.
5. Adjust zero.

## **ZERO AND TARE ADJUSTMENT**

The zero adjust screw is located at the bottom of the scale head. Rotating the screw clockwise or counter-clockwise with a screwdriver will move the pointer to the right or left.

## **CALIBRATION ADJUSTMENT**

- Remove the band by unscrewing the four holding screws.
- Remove the pointer on the back side of the scale. To remove pointer you need to have a pointer remover.
- Remove the back dial by unscrewing the two screws.
- You will see two springs, one on each side of the pinion. Each spring has a metal calibrator wedged between the upper coils. Their purpose is to establish the number of active spring coils. By turning them further into the springs will reduce the number of active coils, making the springs stiffer, i.e., making the dial reading slow. By turning them out will make the dial reading go fast. Therefore, it is easy to calibrate the scale by altering the relative positions of those calibrators within the springs. Care should be exerted to move calibrators on both springs approximately the same amount.

## **MAINTENANCE**

None normally required.