

# Celestron CPC-925 Counterweight Set Instructions

To properly balance your C9¼ telescope, you need to add counterweights to both the top and bottom of the optical tube. The bottom part of this weight set includes a sliding bar which allows balance from front to back. The top weight is necessary to achieve accurate balance.

## Parts List

- 2) *Stainless Steel Top Weights (small and large)*
- 1) *Stainless Steel Bottom Weight*
- 1) *Slide Rail*
- 1) *Threaded Rod with T-Handle*
- 1) *Curved Bracket*
- 1) *Spacer Bracket*
- 2) *Fine-Thread Hex-Head Screws (8-32 x 1/2")*
- 1) *Long Coarse-Thread Hex-Head Screw (10-24 x 1")*
- 1) *Short Coarse-Thread Hex-Head Screw (10-24 x 1/2")*
- 2) *Hex-Head Wrenches (7/64 and 3/32)*

## Attaching the Top Weights

Remove the screw from the top front of the optical tube. The small and large weights included with the counterweight set can be threaded into this screw hole in any combination to properly balance the telescope.

## Attaching the Bottom Rail

Remove one screw from the bottom front and two screws from the bottom rear of the optical tube. Use the two fine-thread short screws to attach the curved bracket to the rear of the telescope. Use the shorter coarse-thread screw to attach the dovetail to the bracket. Use the longer screw to attach the front of the dovetail (using the spacer bracket) to the front of the scope. Install the threaded rod and counterweight onto the slide bar and lock in place by turning the T-handle.

## Balancing the Telescope

Loosen the altitude clutch on the telescope. Point the telescope vertically. Add or remove top counterweights to balance the telescope vertically. If you have a heavy item on top of the scope already, you may not need the top weights. Instead, use the bottom threaded counterweight to balance vertically. Next, point the telescope horizontally and slide the bottom counterweight forward or backward to balance any heavy accessories (such as eyepieces or a camera) at the back of the telescope. For more information see:

[http://starizona.com/acb/basics/using\\_balancing\\_fork.aspx](http://starizona.com/acb/basics/using_balancing_fork.aspx)