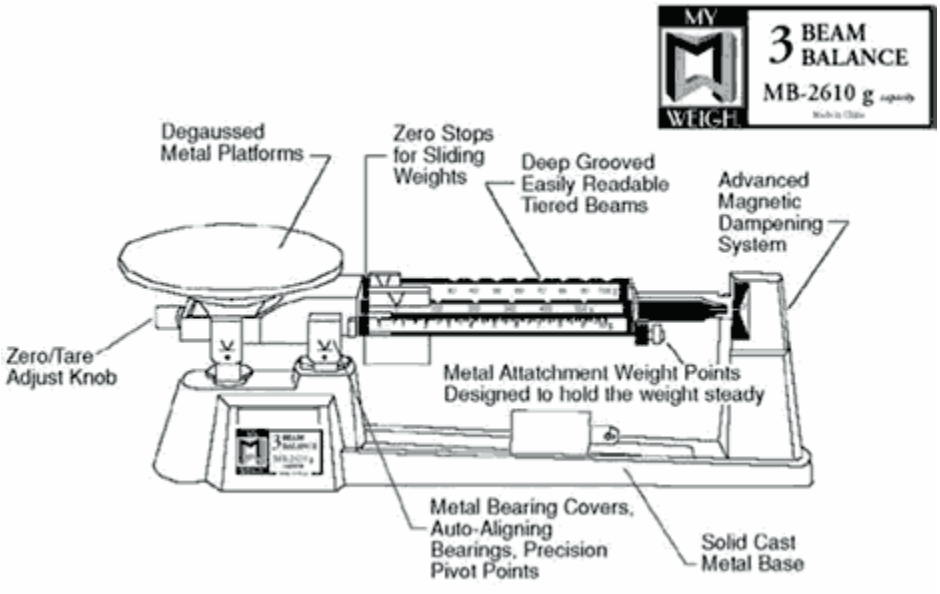
Triple Beam Owner's Manual & Troubleshooting



Troubleshooting:

Before troubleshooting please take these words of "Balance Beam Wisdom": Balance Beams are a very old and basic design of scale. They date back to the ancient Egyptian Empire and Balance Beam scales were used to build the pyramids. Thus, the design is quite simple - a cup (hidden on modern beam scales) filled with metal loose weights and some metal sliding weights. Therefore to fix a Balance Beam scale requires very basic steps - such as adding/removing weight from the cup or using a wrench to make the beam operate smoothly (if it's touching or rubbing as it operates). First, before troubleshooting be certain that you have correctly unpacked the scale and removed all rubber stoppers (you'd be surprised how many times this happens). Also be sure that the sliding weights are all at their proper ZERO position. Please be 100% sure that you have removed both rubber stoppers and all packing bands/materials.

1) **"My Scale Won't Zero":** Sometimes in transport the beam will somehow become unbalanced. This means adjusting the zero knob doesn't make the scale zero properly. If this happens to your scale please know that you can manually add or remove weight to the "Balance Cup". The Balance cup is located underneath the round metal tray. Simply spin the tray off (counterclockwise) to access the Balance Cup and add or remove weight as follows:

If your scale would not zero because it was reading too light (meaning you would have had to press down on the tray to make it zero), then add a small amount of weight to the cup (just a coin or paperclip, you can add or remove weight as you require).

If your scale would not zero because it was reading too heavy (meaning you would have had to pull up on the tray to make it zero), then remove a small amount of weight from the cup (just remove a tiny amount, you can remove or add weight as you require).

If you are trying to compensate for a small bowl or tray, you can remove weight from the cup until the scale Zeros. The Balance Beam is a very basic scale and if it Zeros & moves freely, then it always reads accurately.

2) **"The Beam is Rubbing / Touching":** In order for this scale to work properly, it must operate smoothly without touching or rubbing. Sometimes in transport the beam will get shifted and touch the internal magnets by the front of the beam (where the "0" indicator is). If this happens please try to manually adjust the beam using a wrench on the main bolt under the scale. Simply twist the beam to make it operate smoothly. If you cannot make the beam operate smoothly then the scale will need to be sent in for service.

Construction and Application

The My Weigh MB-2610 Single-Pan Balance is of unequal arm type with three beams. The beam is made of high quality aluminum alloy and the plane is of agate, which can improve accuracy of use and lengthen life of operation. To speed up weight readings, the magnetic damping system brings the pointer to rest with a minimum number of swings.

It is widely suitable for physical-chemistry experiments and analytical weighing in chemical works, medical and hygiene, food-stuff, agriculture, textiles, electronics, mines, scientific research institutions, universities and colleges, etc.

Specifications

Capacity

Without attachment weights: 619g
With included attachment weights: 2610g

Readability: 0.1g
Weighing Units: grams
Beam Calibrations: 10 x 0.1g, 100 x 10g, 500 x 100g

Features

Three beam direct reading
Magnetic Damping System

Adjustment and Operation

Unpacking

Carefully remove the balance and the separate sliding weights from the foam carton.

Remove the bright colored rubber washer lodged underneath the platform and rubber washer located above the pointer.

Set-up
After placing the balance on a smooth, flat surface, slide the sliding weights up into the zero slot on the respective beam (center and behind). With all sliding weights in zero position, the pointer should be near zero.

Zeroing
For the exact zero, adjust the knurled knob, which is located at the left end of the beam. It is advisable to check the zero adjustment periodically.

Attachment Weights
Total capacity is 2610 grams when the attachment weights are suspended from the pivots. Without the weights, the capacity is only 610 grams.