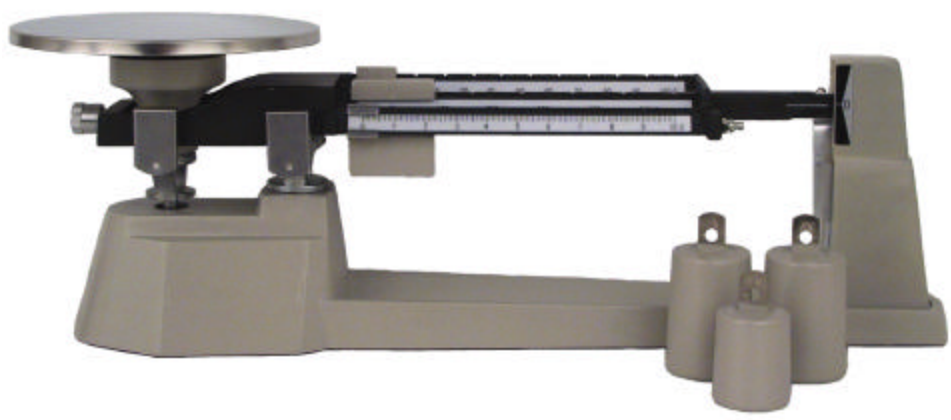


DR Instruments Mechanical Balances



Triple Beam Series Manual DRB200-O and DRB-300-O

Specifications	2
Unpacking and Setup.....	2
Zeroing Unit	2
Weighing	2
Use of Tare	2
Auxiliary Weights	2
Care and Maintenance	3
Warranty.....	3

Description

The DR Triple Beam Series is a rugged, low-cost, top loading, maintenance-free balance for use in education and laboratory applications. Beams are tiered for high visibility for reduction in errors and magnetic dampening allows for quick results. The DR B-300-O model has a tare beam, which allows repetitive weighing without the need to readjust for the container. Weights increase capacity from 610g to 2610g.

Specifications

Capacity 610g

With weights 2610g

Readability 0.1g

Beam Capacities

Front Beam 10g x 0.1g

Center Beam 500g x 100g

Rear Beam 100g x 10g

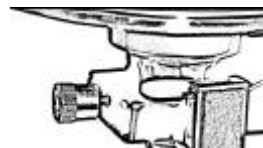
Unpacking and Setup

The unit is shipped with foam under the beam to prevent damage during shipping. The poise (weights) are wrapped in an elastic band with cardboard between the 10g and 100g poise. There is a Styrofoam insert under the balance pan. There is a rubber washer between the base and the pan assembly. Please remove all the foam and packaging prior to setting up your unit.

Place the balance on a smooth flat surface. Slide all poise to their zero positions to the left. On the B-300-O slide the tare all the way to the left of its beam.

Zeroing Unit

Adjust the zero knob, which is located under the pan on the left of the unit. Check periodically to ensure that unit is still zeroed out.



Weighing

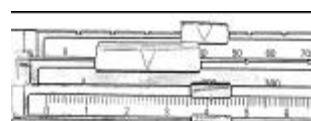
After placing the specimen on the pan:

1. Starting with the 500g poise, move the poise to the first notch.

The pointer should drop, move it back one notch.

2. Repeat with 100g poise

3. Slide 10g poise until the pointer is on zero. The weight of the specimen is the sum off all poise readings on their beams.



Use of Tare

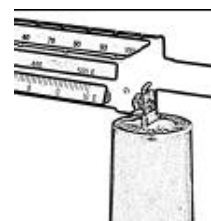
The DR B-300-O is the tare version of the triple beam model line. This will counter-balance empty containers with a maximum weight of 225g. Slide the tare along its beam for coarse adjustment, and then turn it for fine adjustments in weight.

Auxiliary Weights

The auxiliary weights increase the capacity of the Triple Beam Balance from 610g to 2610g. They are attached at the right end of the beam.

Counter-balance knob

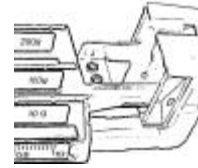
Triple Beam Series Balance Manual



Care and Maintenance

Keep balance clean and do not drop it. Foreign matter can be removed with an air syringe. Please use a balance cover when unit is not in use. Oil or lubricants added to the knife-edge or bearings will lower the accuracy of your balance. Periodically you may need to clean the dampening magnets. To do this, put a piece of scotch tape into the damper vane slot, and pressing it against the magnet face and remove. The tape will pick up any matter on the magnets. Repeat if necessary.

Damper Vane Slot



Warranty

This balance is warranted against manufacturers defects for the period of three years. This does not include tampering or misuse. A Return Authorization is required for all items returning to the DR Instruments Warehouse. Please call your point of purchase for repair and service information.