

DM125-1C Sliding weight balance

Balance with one pan, magnetic damping, beams with four sliding weights and scales, equipped with sliding weights that are impossible to misplace, zero adjustment, accessory for determining density

Pan diameter: 90 mm, with pouring lip
Weighing range: 311 g
Sensitivity: 0.01 g
Dimensions: 380x140x275 mm



Construction and Application

This single – pan balance is of unequal arm type with four beams. The beam is made of a high Quality aluminium alloy and the plane is of agate which can improve accuracy of use and lengthen life of operation. It does not use attachment weights when the weighting process. To speed weighing, the magnetic damping system brings the pointer to rest with a minimum number of swings. A built – in specific gravity platform stores in the base. It is widely suitable for physical – chemistry experiments and analytical weighings in chemical works, medical and hygiene, food – stuff, agriculture, textiles, electronics, mines, scientific research institutions, universities and colleges, etc.

Main Specifications

Capacity	311 g
Sensitivity	0.01 g
Weighing Units:	grams
Beam Calibrations:	
Front Beam:	1 x 0.01 g
Second beam:	10 x 1 g
Third beam:	1 x 10 g
Rear beam:	200 x 100 g
Specific Gravity:	Self storing stand included
Damping:	Magnetic

Features

Four beam direct reading Magnetic Damping System

Adjustment and Operation

Carefully remove the main frame of the weighing beam and the scale pan from the foam box.

Suspend the hook to the weighing beam and hang the scale pan onto it.



Afterwards put the metal tray on the scale pan (see below, left picture).



As last step remove the wire for fixing the weights (because of transport). See above, right picture.

Set-up:

The balance should be placed on a smooth, flat surface free from vibration and air current, and slide the four sliding weights up into slot on the respective beam. With all sliding weights in zero position, the pointer should be near zero.

Zeroing:

For 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.

