



MECHANICAL BALANCE **MB-311**
User Manual



v.201811

Value Each Gram

• Construction and Application

MB - 311 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 weighing process. To speed weighings, 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, ect.

• Main Specifications

| | |
|-------------------|-----------------------------|
| Capacity: | 311g |
| Sensitivity: | 0.01g |
| Weighing Units: | grams |
| Beam Calibrations | |
| Front Beam: | $1 \times 0.01g$ |
| Second Beam: | $10 \times 1g$ |
| Third Beam: | $100 \times 10g$ |
| Rear Beam: | $200 \times 100g$ |
| Specific Gravity: | Self storing stand included |
| Damping: | Magnetic |

• Features

Four beam direct reading
Magnetic Damping System

• **Adjustment and Operation**

Unpacking: —

Carefully remove the main frame of balance bow and scale pan from the foam carton. From the upper hook of the stirrup are suspended the bow and then put the scale pan.

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.



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Weighing system & solution

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