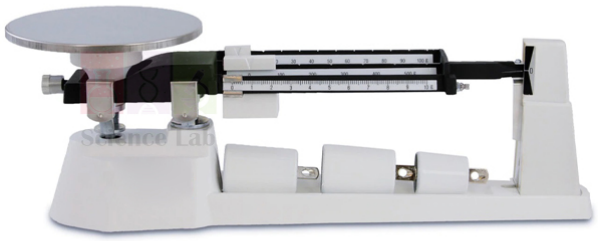
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Product Name :

Balance Triple Beam

Product Code :

SLE/CH/25



Description :

Balance Triple Beam (Product Code: SLE/CH/25) is a single-pan mechanical balance with three notched weighing beams and centre-indicating sliding masses, giving a direct capacity of 610 g that can be raised to 2610 g by hanging supplementary masses on the end of the beam.Magnetic damping brings the pointer to rest quickly, and a 150 mm stainless steel pan takesbeakers, specimens and bulky samples. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, it is a versatile piece of chemistry lab equipment for schools and colleges in India and abroad.

Specifications

Parameter	Detail
Type	Single-pan triple beam balance with three tiered, notched beams
Capacity (beams only)	610 g
Capacity (with supplementary masses)	Up to 2610 g
Beam 1	0 to 500 g × 100 g
Beam 2	0 to 100 g × 10 g
Beam 3	0 to 10 g × 0.1 g
Supplementary masses	2 × 1000 g, hung on the end of the beam; stored in the recessed base when not required
Damping	Magnetic
Pan	Stainless steel, 150 mm diameter

Typical Use

The triple beam balance is a workhorse for class practicals that need a wider weighing range than a small beam balance offers. Students use it to find the mass of irregular solids for density determination, to weigh beakers of water in heat and calorimetry experiments, and to measure larger quantities of salts or soil samples. Mass measurement is part of CBSE physics practical work as much as chemistry, so one balance often serves both departments.

Weighing is done beam by beam: move the rider on the 0–500 g beam to the largest notch that keeps the pointer from dropping, then the rider on the 0–100 g beam, and finish with the fine 0–10 g beam read to 0.1 g. For loads over 610 g, hang the 1000 g supplementary masses on the beam end and add their value to the reading. Magnetic damping means the pointer settles in a few seconds, so students spend less time waiting. Store the masses in the base recess so they are not misplaced.

Manufacturer

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