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Product Name :

Double Beam Balance

Product Code :

SLE/LB/01



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Description :

The Double Beam Balance is a two-pan mechanical balance with two beams: one reads 0–200 g in 10 g steps and the other 0–10 g in 0.1 g steps, giving 210 g on the beams. Supplementary masses extend it to 2 kg. Centre-reading sliding masses, a spring-loaded zero adjuster and magnetic damping help groups take readings quickly on its 150 mm stainless steel pans.

Double beam balance specifications

Parameter	Detail
Type	Two-pan balance with two beams
Beam ranges	0–200 g × 10 g and 0–10 g × 0.1 g
Total on beams	210 g
Extended range	Up to 2 kg with supplementary masses (whether they are packedwith the balance is not stated)
Sliding masses	Centre reading
Zero adjustment	Spring-loaded zero adjuster
Damping	Magnetic damping
Pans	Stainless steel, 150 mm diameter
Product code	SLE/LB/01
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Practicals on the two-pan double beam balance

Osmosis in potato cylinders. Make up salt solutions of several strengths with sodium chloride and a measuring cylinder set. Blot and weigh each potato cylinder to 0.1 g, leave it in its solution for a set time, then blot and weigh it again. A graph of percentage change in mass against salt concentration shows where the cells neither gain nor lose water.

Checking packed portions. Put a reference portion of dried peas in a plastic weighing boat on the right pan and a matching empty boat on the left. Fill the left boat with each new portion in turn; the pointer shows at once whether it is heavier or lighter. For a heavier portion, slide the beam masses until the pointer centres to read the excess.

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