Email : sales@scilabexport.com
Phone: +91-7082934803

**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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