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Product Name :

Triple-Beam Balance

Product Code :

SLE/LB/16



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Description :

The Triple-Beam Balance measures mass up to 2610 g with 0.1 g readability, using three notched, graduated beams and no power supply. A die-cast aluminium body, a 152 mm grade 304 stainless steel pan and magnetic damping suit daily class use, and a 225 g tare takes up the mass of a container.

Triple-Beam Balance specifications

Parameter	Detail
Capacity	2610 g
Readability	0.1 g
Repeatability and linearity	0.2 g each
Tare range	225 g
Calibration	External; zero adjustment
Construction	Die-cast aluminium; metal housing
Pan	152 mm diameter, grade 304 stainless steel
Beams and damping	Notched, tiered and graduated beams with centre reading; magnetic damping
Accessories	Tripod legs for density measurement; weigh-below hook (optional); storage for additional weights; slot for an optional Kensington-type lock
Size and net weight	550 x 110 x 160 mm (W x D x H); 2.7 kg
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Chemistry and physics weighings on the triple-beam balance

Density of a stone by suspension. Stand the balance on its tripod legs, fit the optional weigh-below hook and hang a stone from it on cotton thread. Weigh the stone in air, then again fully under water in a glass beaker that it does not touch. The loss in mass equals the stone's volume in cubic centimetres; divide the mass in air by it for the density.

Conservation of mass. Put a little dilute acid and a small tube of calcium carbonate granules inside a polypropylene conical flask with screw cap and weigh it closed. Tip the flask to mix them, and the reading stays the same. Loosen the cap and the mass falls

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