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Product Name :

Economic Compact Balance

Product Code :

SLE/LB/14



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Description :

The Economic Compact Balance weighs student samples on a small footprint and runs on six AA batteries, so it can sit on any bench without a cable. It is listed in 0.3, 0.6, 3 and 6 kg capacities, with readability from 0.01 g to 1 g by model, and it has auto zero tracking, a stable indicator and a low battery indicator.

Economic Compact Balance specifications

Parameter	Detail
Capacity options	0.3 kg, 0.6 kg, 3 kg, 6 kg
Readability options	0.01 g, 0.1 g, 0.5 g, 1 g (by model)
Pan size	120 mm or 155 x 155 mm (by model)
Display	LED / LCD
Power	Six AA size batteries; DC adaptor optional
Calibration	Auto calibration with external weight
Functions	Auto zero tracking; stable indicator; low battery indicator
Design	Compact and space saving
Product code	SLE/LB/14
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Class practicals with the Economic Compact Balance

Mass change in a reaction. Scoop marble chips onto weighing paper with a spoon end spatula and weigh them together with a glass beaker of dilute hydrochloric acid. Tip the chips into the acid and note the total every minute. The falling reading tracks the carbon dioxide leaving the beaker.

Mass of one small grain. On a finer-reading model, tare an empty plastic weighing boat and add a counted batch of rice grains or mustard seeds. Divide the mass by the number of grains to find the mean mass of one grain, then repeat with a larger batch. The larger batch gives the steadier mean, because the reading step is shared among more grains.

Density of metal cubes. On a finer-reading model, weigh each cube from a metal density cube set and measure its sides with a ruler. Divide mass by volume and compare the results with a data table to name each metal.

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