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

Product Name :

Portable Precision Balance

Product Code :

SLE/LB/24



Science Lab
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Description :

The Portable Precision Balance weighs up to 1000 g with a readability of 0.01 g, on mains power or on an internal battery rated for 24 hours. It calibrates internally without external weights, sends results over USB or RS-232 and has a hook forbelow-balance weighing, so it works at a field station as well as on a lab bench.

Portable precision balance specifications

Parameter	Detail
Capacity and readability	1000 g x 0.01 g
Repeatability / linearity	0.01 g / 0.02 g
Calibration	Internal manual calibration or external calibration
Pan	120 mm diameter, grade 304 stainless steel
Weighing units	g, lb, oz, N, GN, ct, dr, dwt, mm, ozt, T, tl.H, tl.S, tl.T
Display	Backlit LCD, 18 mm display height, programmable backlight, built-in capacity tracker
Interfaces	RS-232 and USB
Power	12V DC 50/60Hz 800mA adapter or internal rechargeable battery, both included; battery life 24 hours
Housing	ABS plastic, 174 x 252 x 80 mm (W x D x H), 2 kg net; operating temperature 0° to 40°C
Product code	SLE/LB/24
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Supplied by	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Field and bench work with the portable balance

Volume of a stone by displacement. Stand a glass beaker of water on the pan and tare it. Hang a stone on cotton thread from a retort stand and lower it until it is fully under water without touching the glass. The rise in grams equals the stone's volume in cubic centimetres, and its mass in air divided by that volume gives its density.

Suspended solids in pond water. Weigh a dry filter paper before the trip. At the pond, filter a measured volume of water through it in a glass funnel and carry the paper back in a labelled petri dish. Dry the paper, weigh it again on the same balance, and the gain is the mass of solids in that volume.

Mass
unit
comp
assu

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