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

**Product Name :**

Precision Balance, 220g

**Product Code :**

SLE/LB/25



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## Description :

The Precision Balance, 220g reads to 0.001g across its 220g capacity, with a repeatability of 0.002g and a linearity of 0.003g. It prints results with the date andtime over USB or RS-232, has a sealed keypad and 24mm backlit digits, and iscalibrated externally with weights.

## 220 g milligram balance specifications

| Parameter | Detail |
|---|---|
| Capacity | 220g |
| Readability / repeatability / linearity | 0.001g / 0.002g / 0.003g |
| Weighing pan | Grade 304 stainless steel, 120mm diameter |
| Display | Backlit LCD, 24mm white digits on a black background |
| Weighing units | mg, g, ct, GN, dr, ozt, dwt, mm, tl.T, tl.H, tl.S, T, custom unit |
| Calibration | External, with weights |
| Interfaces | USB and RS-232 |
| Power supply | 18V DC 50/60Hz 830mA adapter; AC adapter included |
| Housing and conditions | ABS plastic; 224 x 374 x 219mm (w x d x h); 4.1kg net; operating temperature 15° to 35°C |
| Product code | SLE/LB/25 |
| Minimum order | 10 units |
| Dispatch | Usually within 7 to 10 working days |
| Supplied by | ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India |

## Milligram practicals on the 220 g balance

Thickness of aluminium foil. Cut a square of kitchen foil, measure its sides with a metal ruler, fold it into a small pad and weigh it. Divide the mass by the density of aluminium and by the area of the square. The answer is the foil thickness, a small fraction of a millimetre.

Yield of copper sulfate crystals. Warm copper oxide with dilute sulfuric acid, filter off the excess and evaporate the blue solution in a porcelain dish until crystals start to form. Dry the crystals on filter paper, weigh them and compare the mass with the yield expected from the acid used, since the copper oxide was in excess.

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