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Product Name :

Caliper

Product Code :

SCL1208/02



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Description :

Caliper (Product Code: SCL1208/02) is a vernier (nonius) caliper that lets a student read a length falling between two graduations of the main scale by mechanical interpolation, giving readings toa precision of 0.1 mm instead of relying on eye estimation. Physics and general science classesuse it to measure the outside size of small objects and the inside width of holes up to 120 mm. Itis made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** in Ambala, India, and is apractical choice for institutions sourcing a Vernier caliper for school labs in India and abroad.

Specifications

Parameter	Detail
Type	Vernier (nonius) caliper
Material	Nonius steel
Precision	0.1 mm
Maximum measurementlength	120 mm
Measuring jaws	External measuring rods for outside dimensions; internal measuring jaws for holes
Reading principle	Vernier scale – mechanical interpolation between main-scale markings to reduce estimation error

Typical Use

In a first measurement practical, learners use the caliper to find the diameter of a cylinder or sphere, the thickness of a block, or the bore of a small tube, then work out areas and volumes from their readings. Combined with a balance, the same measurements let a class calculate the density of regular solids. Before each set of readings, close the jaws fully and check whether the vernier zero lines up with the main-scale zero; any offset is the zero error and must be corrected in every result.

Good technique matters as much as the tool: hold the object square between the jaws without forcing them, keep the eye level with the scale, and take the reading where a vernier line coincides exactly with a main-scale line. Because vernier reading is a standard exercise in secondary physics, the caliper belongs in the set of physics practical equipment that CBSE and state-board laboratories keep for every student group.

Manufacturer

This caliper is produced by Jain Scientific Equipments Private Limited, the Ambala, Haryana company that trades as ScienceLab and builds measuring and demonstration apparatus for school and college teaching. Institutions in India and international markets order from its catalogue; background on the business is on the ScienceLab company profile.

Related Lab Equipment

Items

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