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Product Name :

Metal Ruler

Product Code :

SCL1211/04



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Description :

Metal Ruler (Product Code: SCL1211/04) is a graduated stainless steel rule 100 cm long, with a true straight edge that serves both for reading lengths and for ruling lines. Physics teachers use it where a short plastic scale is not enough: reading the extension of a spring, setting the length ofa pendulum or spacing a lens and screen on the bench. The ruler is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its mechanics lab equipment in India for schools and colleges.

Specifications

Parameter	Detail
Material	Stainless steel
Length	100 cm
Width	Between 2 cm and 3 cm
Thickness	0.5 mm
Scale	Graduated
Edge	Straight edge

Typical Use

In a Hooke's law practical the ruler is clamped upright beside a hanging spring, and students note the position of a pointer each time a mass is added, turning the readings into a force-extension graph. It is equally handy for measuring the length of a simple pendulum from the point of suspension to the centre of the bob, for object and image distances in lens work, and for drawing long, clean lines on charts and posters.

Because the strip is only 0.5 mm thick, the graduations sit close to the object being measured, which helps students avoid parallax when they look straight down on the scale. A thin steel rule can flex, so support it along its length on the bench when taking a reading. Stainless steel does not swell like wood and wipes clean easily, which keeps this ruler serviceable in busy school physics lab equipment sets in India for many batches of students.

Manufacturer

Jain Scientific Equipments Private Limited makes this ruler under its ScienceLab brand in Ambala, Haryana, where the company develops teaching apparatus for physics, chemistry and biology laboratories. More about who we are is on the company profile.

Related Lab Equipment

Items that pair with this ruler in spring, pendulum and general measurement work:

- Set of Springs — springs whose extension is read against the ruler in elasticity experiments

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