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

Product Name :

Microscope Travelling (Vernier)

Product Code :

SCL/AG26-113



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Description :

Microscope Travelling (Vernier) (Product Code: SCL/AG26-113) is a vernier travelling microscope used to measure small distances accurately on two axes, horizontal and vertical, in college and senior school physics practicals. A x10 eyepiece and x3 objective ride on brass electroplated main and vernier scales reading 0-165mm horizontally and 0-120mm vertically, over a heavy cast iron base with three levelling screws. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Measurement	Two axes (horizontal and vertical scales)
Vertical scale	0-120mm, with vernier
Horizontal scale	0-165mm, with vernier
Scale material	Main and vernier scales of brass, electroplated
Optics	Eyepiece x10, objective x3
Focal length	50mm
Slides	Vertical slide fitted on the horizontal carriage, operating in a similar way
Base	Heavy cast iron base fitted with three levelling screws
Levelling and height	Spirit level; height adjustable legs
Supplied with	Sturdy protective case and instruction/maintenance manual
Product code	SCL/AG26-113
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Vernier Travelling Microscope Used For?

A travelling microscope measures distances too small or too delicate for a ruler or calliper, without touching the object. Typical physics practical equipment tasks include measuring the diameters of Newton’s rings, the bore of a capillary tube for surface tension and viscosity experiments, the real and apparent depth of a glass block to find its refractive index, and the thickness of thin wires or cover slips.

Level the instrument first with the spirit level and levelling screws, then focus on the object and set the cross-wire on one edge. Take the scale and vernier reading, move the carriage to the opposite edge and read again; the difference is the distance. Always approach each edge from the same direction to avoid backlash, and return the microscope to its protective case after use.

What to Specify When Ordering