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Product Name :

Spectro Meter

Product Code :

SCL/AG26-121



Description :

Spectro Meter (Product Code: SCL/AG26-121) is a prism and grating spectrometer used to measure angles of deviation, refractive index and wavelengths of light in college and senior-school physics laboratories. Its collimator and telescope are heavy castings, and angles are read on a 170 mm diameter circle scale graduated 0–360° with a spring-loaded vernier. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, for buyers who need a laboratory spectrometer in India or abroad.

Specifications

Parameter	Detail
Construction	Main structural parts, including collimator and telescope, are heavy castings; other metal parts polished bright
Stand	Carried on three plastic legs
Circle scale	170 mm dia., graduated 0–360° in 1° divisions, independently rotatable with locking screw
Vernier	Spring-loaded, rust-proof metal
Collimator	Axis adjustment; objective lens 150 mm, 21 mm aperture; unilaterally adjustable slit, 6 mm long
Telescope	Fine adjustment, locking screw and axis adjustment; objective 170 mm, 21 mm aperture; spiral focusing system
Eyepiece	Cross wire, locking-ring focus adjustment
Prism table	Three levelling screws; lines marked to assist placing the prism
Accessories	Small screwdriver, tommy bar, prism clamp for prisms up to 40 mm high, 1 diffraction grating holder with 25 × 25 mm aperture
Packing	Sturdy box with carrying handle
Documentation	Instructions and maintenance manual
Product code	SCL/AG26-121
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Spectrometer Used For?

The instrument covers the standard optics practicals of undergraduate and senior secondary courses. With a glass prism on the table, students find the angle of the prism and the angle of minimum deviation, then calculate refractive index and dispersive power. Swapping the prism for a diffraction grating in the holder lets them measure the wavelengths of spectral lines from a sodium or other discharge lamp, which is why it is often listed as a prism spectrometer in India's practical syllabi.

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