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Product Name :

Astronomical Telescope

Product Code :

SCL/AG26-102



Science Lab
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Description :

Astronomical Telescope (Product Code: SCL/AG26-102) is a tripod-mounted optical telescope used to observe the Moon, planets and brighter star fields in school, college and astronomy-club teaching. It has a 114mm aperture, a 5 x 24 finder scope and a set of standard 0.965" eyepieces with a 3X Barlow lens, on an extendable aluminium tripod with slow-motion vertical adjustment, a useful addition to optics lab equipment. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Aperture	114mm
Objective focallength	700mm, 600mm (as listed)
Optical tube	White metal tube, primary objective lens at the front, diagonal eyepiece setup at the rear
Finder scope	5 x 24, small auxiliary sighting scope mounted on top
Diagonal	Hybrid diagonal
Eyepieces (0.965")	SR4mm, H12.5mm, H20mm
Other accessories (0.965")	3X Barlow lens; 1.5x erector
Mount and tripod	Lightweight, extendable aluminium three-legged stand with central accessory brace, manual alt-azimuth elevation rod and slow-motion control rod for vertical micro adjustment
Maximum height	125cm
Accessory tray	Included
Product code	SCL/AG26-102
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Astronomical Telescope Used For?

The 114mm aperture gathers enough light to show craters and mountains on the Moon, the phases of Venus, the four bright moons of Jupiter, the rings of Saturn and many star clusters. Students first line up a target with the small finder scope, then centre it in the main tube with the low-power H20mm eyepiece before moving to the H12.5mm or SR4mm eyepieces, or adding the 3X Barlow lens, for more magnification.

The 1.5x erector gives an upright image, so the same instrument can be used by day for distant landscapes and birds. The slow-motion rod lets you follow an object smoothly as the Earth turns. Never point the telescope or finder at the Sun without a proper solar filter, and let the tube adjust to outdoor temperature before a viewing session.

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