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Product Name :

Theodolite Model

Product Code :

SLE/MAT/17



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Description :

Theodolite Model (Product Code: SLE/MAT/17) is a teaching model of a theodolite used to show how horizontal and vertical angles are measured in school mathematics lessons on heights and distances. Its rotating telescope is mounted on horizontal and vertical axes, each fitted with a graduated circle. The model is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Telescope	Movable, rotating telescope
Axes	Horizontal and vertical
Angle scales	Graduated circles on both axes
Demonstrates	Measurement of horizontal and vertical angles
Applications explained	Triangulation, prolonging lines, and elevation and depression of distant and near objects
Type	Teaching model for understanding how a theodolite works
Product code	SLE/MAT/17
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Theodolite Model Used For?

A real theodolite is a surveying instrument, and this model lets students see its mechanics before they meet one in the field. They sight an object through the telescope, read the vertical circle for the angle of elevation or depression, and turn the instrument to read horizontal angles between two landmarks. The readings then feed straight into trigonometry problems on heights and distances.

Place the model on a steady, level table, turn the telescope slowly and read both circles before recording results in a table. Letting groups take their own readings builds a spirit of experimenting, which makes the model a useful part of mathematics lab kits in India for senior classes.

OEM Manufacturer

ScienceLab — the brand of Jain Scientific Equipments Private Limited — is the original equipment manufacturer of this Theodolite Model. It is made at the company's own licensed factory at Saha, Ambala, Haryana, and supplied factory-direct to schools, colleges, dealers and importers.

Questions about the scale markings or a replacement part go straight to the people who make it — as

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