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

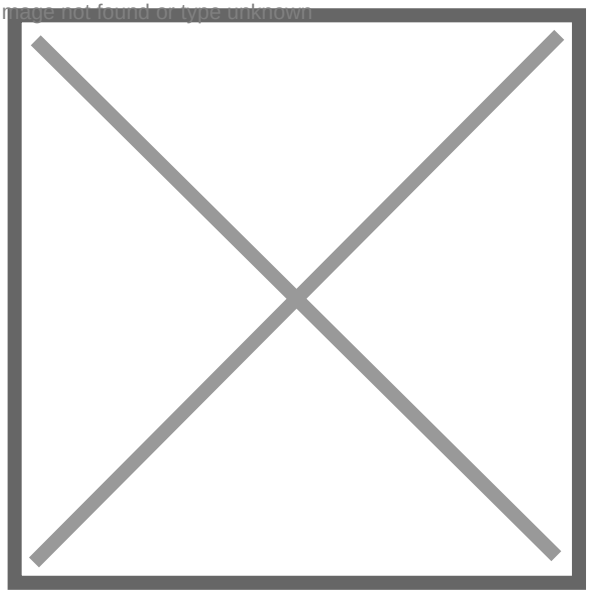
Product Name :

Dynamic Model for Atomic Orbital Demonstration

Product Code :

SCI-375/154

Image not found or type unknown



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

Description :

Dynamic Model for Atomic Orbital Demonstration (Product Code: SCI-375/154) is a teaching model used to demonstrate the shapes and spatial arrangement of atomic orbitals in school and college chemistry classrooms. Chemistry teachers reach for it when abstract ideas such as electron clouds and orbital lobes need a physical form that a whole class can see, making it a useful piece of school chemistry lab equipment. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Key Details

Parameter	Detail
Product type	Demonstration model (dynamic model, as named)
Subject	Atomic orbitals
Size, parts and materials	Not stated in this listing — confirmed with your quotation
Product code	SCI-375/154
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Atomic Orbital Model Used For?

An atomic orbital is the region around a nucleus where an electron is most likely to be found. Orbitals differ in shape: s orbitals are spherical, p orbitals have two lobes on opposite sides of the nucleus and point along three axes at right angles, and d orbitals take more complex, mostly four-lobed forms. Because these shapes are three-dimensional, textbook drawings are often hard to interpret, and a model on the teacher's bench shows how the lobes sit around the centre.

Teachers typically bring out an orbital demonstration model when introducing electronic configuration, when explaining why the p orbitals are labelled px, py and pz, and just before moving on to hybridisation and molecular shape. Turning the model slowly so that each side faces the class works better than holding it still, and comparing it with an electron-shell chart helps students connect the older shell picture with the orbital picture.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of the Dynamic Model for Atomic Orbital Demonstration. The company makes its chemistry teaching models at its own licensed factory at Saha, Ambala, Haryana, India, and supplies them factory-direct to schools, colleges, institutions, dealers and importers. Because this listing does not yet give the model's dimensions or parts, the manufacturer itself will confirm the construction when it quotes. Read more on the ScienceLab company profile.

Related Laboratory Equipment

Mode

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