Email : sales@scilabexport.com
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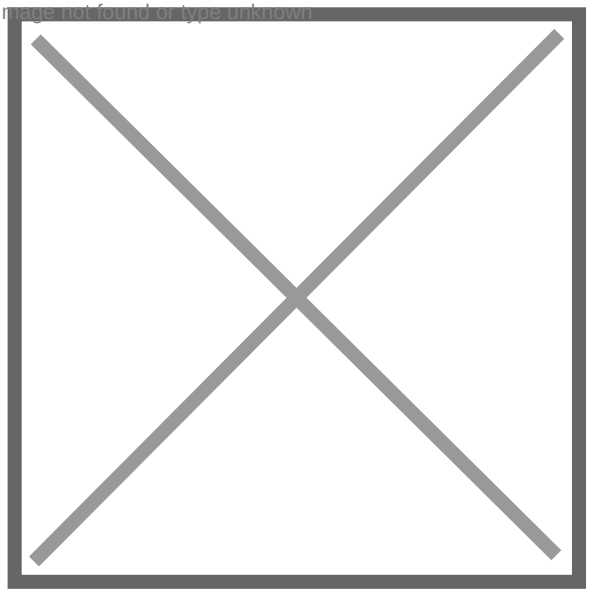
Product Name :

Atomic Orbital Model Py

Product Code :

SCI-287/112

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Description :

Atomic Orbital Model Py (Product Code: SCI-287/112) is an assembled plastic model of the py orbital, used to show students how the two lobes of a p orbital lie along the y-axis of an atom. It comes with a grey transparent display base and a plastic storage box, making it a practical teaching aid for chemistry classrooms from senior school to college level. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** as the OEM at its own factory in Ambala, India.

Key Details

Parameter	Detail
Orbital represented	py (p orbital along the y-axis)
Parts	Durable plastic parts and links for assembly
Colour coding	Colour-coded for ease of identification
Base	Grey transparent base for display
Storage	Plastic box included
Product code	SCI-287/112
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Py Orbital Model Used For?

The py model makes the idea of orbital orientation concrete. In an isolated atom the px, py and pz orbitals have the same shape and energy — they are degenerate — and differ only in the axis they point along. Holding the py model beside the other two shows that difference instantly, which is otherwise hard to convey with flat sketches.

The model is equally useful later in the course: when two neighbouring atoms bring parallel p orbitals side by side, their sideways overlap forms a pi bond. Tilt two models towards each other to demonstrate this, then return the parts to the plastic box. It suits any chemistry model collection built around organic bonding.

What to Specify When Ordering

- The orbital models required: this page covers Py only; Px and Pz are ordered separately.
- How many models each classroom or teacher needs.
- Whether hybridization models should be included in the same quotation.

OEM Manufacturer

The Atomic Orbital Model Py is an original ScienceLab product: Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597), which trades as ScienceLab, manufactures it as the OEM. Production takes place at the company's licensed factory at 449, HSIIDC Industrial Area, and impor e.

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