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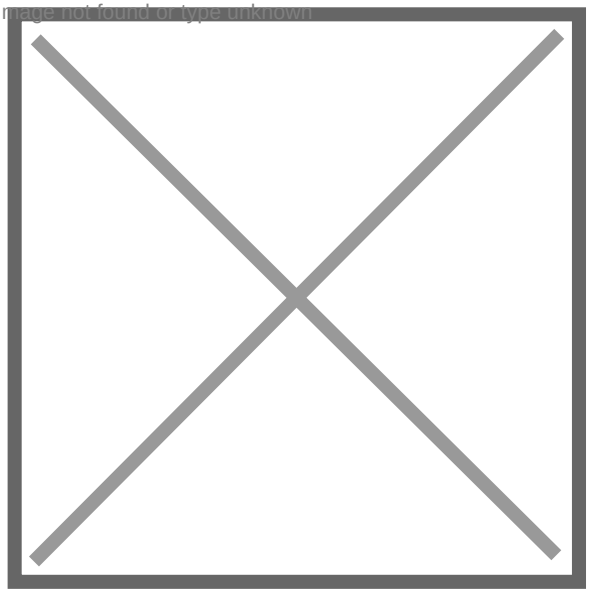
Product Name :

Working Model of Electric Motor

Product Code :

SCL-423/108

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Description :

Working Model of Electric Motor (Product Code: SCL-423/108) is an open-construction DC motor model used as a demonstration model in the physics lab to show how electrical energy is turned into rotation. Built in an acrylic body, it has a 2-pole armature, a disc-type commutator and a removable permanent magnet, and runs on 6–8 V DC. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Motor type	Simplest form of DC electric motor (model)
Body	Acrylic
Armature	2-pole, enamelled copper wire on an insulated plastic bobbin
Field magnet	Removable permanent magnet
Commutator	Disc type
Brushes	Phosphor bronze
Connections	Pair of 4 mm colour-coded sockets
Operating voltage	6–8 V DC
Construction	Completely open; all components identifiable and working visibly
Product code	SCL-423/108
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Electric Motor Model Used For?

With the model connected to a 6–8 V DC supply through its 4 mm sockets, students watch the armature turn and can follow each step. Current enters through the phosphor bronze brushes, the disc commutator reverses the current in the coil every half turn, and the force between the coil and the permanent magnet keeps the rotation going. Because nothing is enclosed, the teacher can point to each part while it runs.

Taking away the permanent magnet stops the motor, a quick way to show that the magnetic field is essential, and reversing the supply leads reverses the direction of rotation. Keep the supply within 6–8 V, clean the commutator gently if running becomes uneven, and handle the acrylic body with care, as with any physics demonstration kit.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the OEM (original equipment manufacturer) of this electric motor model. The model is made and assembled at the comp to schoo repla