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Product Name :

4 Stroke Petrol Engine

Product Code :

SLE/EE/02



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Description :

4 Stroke Petrol Engine (Product Code: SLE/EE/02) is a spark-ignition engine adapted for education, used for performance testing and demonstrations on a dynamometer test set in engineering laboratories. Colleges building IC engine practicals value that it arrives with an exhaust thermocouple, a half-coupling for the dynamometer and all essential hoses and fittings, on a precision bed plate. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, which provides engineering lab equipment in India and international markets.

Key Details

Parameter	Detail
Engine type	Four-stroke petrol engine adapted specially for laboratory testing and demonstrations
Included fittings	Exhaust thermocouple; half-coupling to link to the test set dynamometer; all essential hoses and fittings
Mounting	Sturdy precision bed plate with dowels and slots that align and locateit accurately with the dynamometer test set
Engine changeover	Bed plate location minimises the time spent replacing one engine with another
Fuel connections	Couplings for quick connection and disconnection with minimum loss or spillage of fuel
Fuel tank	Removable for filling or for storage in a fuel locker; removal also prevents unauthorised use
Product code	SLE/EE/02
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the 4 Stroke Petrol Engine Used For?

On a dynamometer test set the engine is run across a range of speeds and loads so that students can plot torque, brake power, fuel consumption and efficiency for a spark-ignition engine. The exhaust thermocouple adds exhaust temperature to each set of readings, which supports heat-balance work when combined with fuel-flow and exhaust-heat measurements.

Because the bed plate is located by dowels and slots, a laboratory can exchange this engine for another one built for the same test set with little set-up time and compare petrol and diesel behaviour in one course. For engineering educational equipments in India that will be used by many batches of students, the removable tank is a practical safety feature: take it off after class and keep it in a fuel locker so the engine cannot be run unsupervised.

What to Specify When Ordering

- The dynamometer test set the engine will mount on
- Whether you need the Manual Volumetric Fuel Gauge and Exhaust Gas Calori meter for