

Product Name :
Four Stroke Four Cylinder Petrol Engine Test Bench

Product Code :
NLAB-MECHANICALAB210006



Description :

Four Stroke Four Cylinder Petrol Engine Test Bench

Technical Specification :

The experimental engine test stand. The engine used here is a four-cylinder petrol engine with a controlled catalytic converter. It has its own closed cooling water circuit.

A solid welded frame on rollers carries the entire setup. Hazardous areas such as hot surfaces and rotating parts are covered with perforated plates. The connection to the brake is made via a rotationally elastic coupling with a jointed shaft. The engine is attached to the load unit by fasteners.

For safety reasons, the engine has been modified in a way that it only starts when it is connected to the load unit both mechanically and electrically.

Four Stroke Four Cylinder Petrol Engine Test Bench

The engine software runs on a personal computer, requiring only a single USB interface between the electronic console and the PC.

FEATURES:

Engine flexibly mounted on mobile frame

Plotting of torque and power curves

Determination of specific fuel consumption

Determination of volumetric efficiency and lambda (fuel-air ratio)

Energy balances

Overall engine efficiency

Closed cooling water circuit

Switch cabinet with warning lamps (oil pressure, alternator failure), operating time counter and ignition key

SPECIFICATIONS:

Engine: Branded MPFI Version

Max.Power: 63 BHP @ 5500 rpm

Max.Torque:89 Nm @ 3000 rpm

Fuel: Petrol

No of cylinders: Four

Bore: 66 mm

Stroke length: 77 mm

Starting: Self-start

Working stroke: Four strokes

Cooling: Water-cooled

Ignition: Spark ignition

Capacity: 1086 cc

Battery: 12V, 45A

Alternator: 12V, 45A

Engine oil: SAE 5W-30

Power required:230V, 50Hz, 1 phase

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003