

Single Cylinder Four Stroke Petrol Engine Test Rig



Product Categories: [Engineering Equipment](#), [Thermo Dynamic Lab](#)

Product Page:

<https://www.labappara.com/product/single-cylinder-four-stroke-petrol-engine-test-rig/>

Product Description

Single Cylinder Four Stroke Petrol Engine Test Rig

DESCRIPTION:

The Setup Consist of single cylinder four stroke petrol engine. The variable compression ratio arrangement is made by using auxiliary piston moving up and down. The engine is coupled to the rope brake / hydraulic brake / electric / eddy current dynamo-meter as a loading device. The air box with orifice plate and manometer is provided for measurement of air to the engine. A fuel tank with fuel measuring unit with scale is provided. The shell and tube type calorimeter is provided at exhaust of the engine. Digital temperature indicator with thermo-couple is provided for measurement of temperature at eight different locations. A speed is measured by using tachometer. A rota-meter is provided for measurement of water flow to the engine and calorimeter. Load on the engine is measured by using dynamo-meter accessories. Necessary water and air pipe connections are provided. The entire setup mounted on sturdy MS frame with powder coated and good color combination.

Features:

Longer service life

Consistent performance

Robust design