

Twin Cylinder Four Stroke Water Cooled Diesel Engine Test Rig



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

Product Page:

<https://www.labappara.com/product/twin-cylinder-four-stroke-water-cooled-diesel-engine-test-rig/>

Product Description

Twin Cylinder Four Stroke Water Cooled Diesel Engine Test Rig

Description:

IC engines are widely used in automobile, domestic and industrial sector. They are classified according to cycle, number of cylinders, arrangement of cylinders, fuel used, type of ignition, valve arrangement, cooling system. Test rigs are used to find out the performance of an IC engine. It consists of an IC Engine, dynamometer, fuel measuring, air intake measuring and various other arrangements.

TECHNICAL DETAIL:

Type of Engine: Twin cylinder, four strokes, vertical water cooled, crank start, Diesel engine developing 10 HP 1500 RPM.

Type of Loading: - Rope Brake Dynamometer

Torque Measurement: By Brake Drum and spring balances

- Hydraulic Brake Dynamometer

Torque Measurement: By Load Cell and Load Indicator

-Eddy Current Dynamometer

Torque Measurement: By spring balance

Fuel Measuring System: Fuel measuring system consists of a fuel tank, a burette and

a three way cock arrangement.

Air Intake Measuring System: Air tank fitted with orifice and water manometer.

Temperature Measurement: Digital Temperature Indicator with multi-channel switch

Temperature Sensors: Thermocouple (6 nos.)