

## Reciprocating Pump Test Rig (Variable Speed)



**Product Categories:** [Engineering Equipment](#), [Hydraulic Lab](#)

**Product Page:**

<https://www.labappara.com/product/reciprocating-pump-test-rig-variable-speed/>

### Product Description

Reciprocating Pump Test Rig (Variable Speed)

#### **DESCRIPTION**

The present Reciprocating Pump Test Rig is a self-contained unit operated on closed circuit basis containing a sump tank. The set-up consists of a Double acting, Single Cylinder Reciprocating Pump coupled with a DC Motor Power input to the DC Motor is varied by means of a Thyristor controlled DC Drive to vary the RPM of motor. A RPM Indicator with Proximity sensor indicates the RPM of Pump.

Flow of water is measured by using measuring tank and stop watch. Vacuum gauge is fitted on suction line and Pressure gauge is fitted on delivery line to measure the pressure.

#### **TECHNICAL DETAILS**

Pump: Double acting, Single Cylinder. Capacity 1 HP Speed 250 RPM (max.) and Head 5 kg/cm<sup>2</sup> (max.)

Medium Flow : Clear Water

Drive : 1HP DC Motor with Thyristor controlled DC Drive for variable speed

Sump Tank: Material Stainless Steel, Capacity 65 Ltrs.

Flow Measurement : Using Measuring Tank (made of stainless steel, Capacity 40 Ltrs.) and Electronic Stop Watch

Pressure Gauge: Bourdon type.

Control Panel Comprises of RPM Measurement: Digital RPM Indicator with Proximity sensor.

Energy Measurement: Electronic Energy meter, L&T make.

Standard make On/Off Switch, Mains Indicator, etc.

Instruction Manual : An ENGLISH instruction manual will be provided along with the Apparatus

Tanks will be made of Stainless Steel.

The whole set-up is well designed and arranged in a good quality painted structure.