



**Product Code . JL-HM-10039**

## Submersible Pump Test Rig

### Description

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Submersible Pump Test Rig

#### Description:-

The Set-up is designed to study the performance of Submersible Pump.

The Set-up consists of a Submersible Pump coupled with electrical motor, supply tank, measuring tank & pipe fittings for closed loop oil circulation.

Pressure and Vacuum Gauges are connected on delivery and suction side of pump for the purpose of measurement.

The flow rate of water is measured using measuring tank and stop watch provided.

#### Experiment:-

To determine overall efficiency and pump efficiency of the Submersible Pump

To plot Head vs. Discharge, Pump efficiency vs. Discharge.

#### Features:-

Closed loop water circulation

Compact & stand alone set-up

MS Excel sample calculation program on demand

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Stainless Steel tanks and wetted parts

Superb painted structure

Simple to Operate & Maintain

**Utilities Required:-**

**Electric Supply:-** Provide 230 +/- 10 VAC, 50 Hz, Single Phase Electric Supply with proper earthing. (Neutral –

Earth voltage less than 5 VAC), 5 A, three pin socket with switch for pump.

**Water Supply:-** Tap water connection ½ “ BSP, Distilled water @ 90 Ltrs. (Optional)

**Technical Specifications:-**

**Product:-** Submersible Pump Test Rig

Pump & Drive : Submersible Pump, Capacity 1 HP

Supply Tank : Capacity 90 Ltrs. MOC SS

Measuring Tank : Capacity 60 Ltrs. MOC SS fitted with Piezometer Tube & Scale

Piping : GI / PVC

Stop Watch : Electronic

Control Panel : With required electrical instrumentation

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

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