**Order Code -29254**
**Reciprocating Pump Test Setup**

The Set-up is designed to study the performance of Reciprocating Pump. The Set-up consists of a Reciprocating Pump coupled with electrical motor, supply tank, measuring tank & pipe fittings for closed loop water circulation. Pressure and Vacuum Gauge 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 Reciprocating 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
- Stainless Steel tanks and wetted parts
- Superb painted structure
- Simple to Operate & Maintain

TECHNICAL SPECIFICATIONS:

- Pump : Double acting, single Cylinder, Capacity 1 HP Speed 250 RPM (max.), Head 5 Kg/cm2 (max.)
- Drive : AC Motor with step cone pulley arrangement for 3 prefixed speed or DC Motor with DC Drive along with non-contact type Digital RPM

Indicator

- Supply Tank : Capacity 70 Ltrs.
- Measuring Tank : Capacity 50 Ltrs. 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.

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 @ 80 Ltrs. (Optional extra cost)

Note: Specifications are subject to change.

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