



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

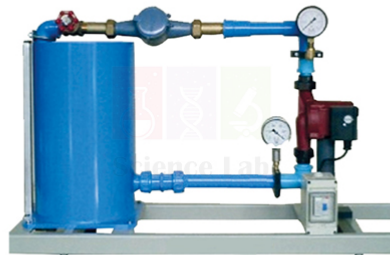
Phone: +91-8759245890

**Product Name :**

Submersible Pump Test Rig

**Product Code :**

SLE/MCE/48



**Website:** <https://thelabequipment.com>, **Email:** [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



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## Description :

### Description:

- The set-up consists of a submersible pump coupled with a DC Motor.
- A ball valve is used to adjust the head.
- An asynchronous motor drives it.
- The speed is infinitely adjustable by using a frequency converter.
- A RPM Indicator with Proximity sensor indicates the RPM of Pump.
- Flow of water is measured by using measuring tank and stopwatch.
- Vacuum gauge is fitted on suction line and Pressure gauge is fitted on delivery line to measure the pressure.
- The experimental unit includes a self-priming Submersible pump, a ball valve on the outlet side and manometers on the inlet and outlet side.
- Power input to the DC Motor is varied by means of a Thruster controlled DC Drive to vary the RPM of motor.

### Specification:

#### Variable speed

- **Maximum flow rate:** 70lpm
- **Maximum head:** 7 mtr
- **Power rating:** 0.75 kw
- **Power supply:** 230v 1ph 50hz
- **Dimension:** 1000X 500 X 700 mm
- **Weight:** 80kg (approx)

### Measuring instruments:

- Pressures gauge/sensors
- Vacuum gauge/sensor

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