

## HP 145V COMPACT RECIPROCATING PUMP TEST SET, Variable Speed



### GENERAL DESCRIPTION:

This is a self-contained bench top unit for studying the reciprocating pump flow rate vs head at various speeds.

The unit consists of a storage tank and a reciprocating pump with a belt and pulley drive and motor on a steel base, and measuring instruments.

Instruction manual is also included.

### EXPERIMENT CAPABILITIES:

- Flow rate vs head characteristics.
- Pump input, output and overall efficiency at various speeds.
- Effect of pulse chamber.
- Volumetric efficiency.

### TECHNICAL DATA:

- Pump ratings.
  - Maximum flow rate : 15 Lpm
  - Maximum head : 30 m water
- Speed control : Advanced inverter
- Pump accessories
  - Pressure relief valve at pump discharge
  - Pulse chambers for pump suction and discharge
- Measuring instruments:
  - Pressure : Pressure gauges at pump suction and discharge
  - Flow rate : Water meter and stop watch.
  - Speed and motor input power indicator : Advanced inverter
- Software for data display and analysis by computer (separately supplied).
- Power supply : 220 V, 1 Ph, 50 Hz. Other power supply is available on request.

**Net (unpacked) shipping dimension W x L x H** : 80 x 105 x 80 cm  
**Net weight** : 50 kg

