

## HB 210 PRESSURE MEASUREMENT APPARATUS

### GENERAL DESCRIPTION:

The apparatus is intended to introduce students to basic pressure measuring devices as well as pressure gauge calibration.

The apparatus consists of a mercury and a water manometers, pressure and vacuum gauges, and a syringe for generation of pressure and vacuum. A dead weight pressure tester is also included. The pump is installed at the back of the panel with ports for pressure and vacuum measurement. All hose connection is pre arranged such that only valve manipulation is required for vacuum or pressure control.

### TYPICAL EXPERIMENTS:

- Familiarisation with different pressure measuring devices.
- Comparison of water and mercury manometers and mercury manometers with Bourdon gauges.
- Calibration of Bourdon gauge.



*Photograph includes optional equipment*



*HB 011 Dead Weight Pressure Tester*

### TECHNICAL DATA:

- Bourdon gauges : 1 ea vacuum.  
: 1 ea pressure.
- Inclined water manometer : 1 ea.
- U-tube water manometer : 1 ea.
- Syringe.
- HB 011 Dead Weight Pressure Tester.
  - Stainless steel piston and cylinder.
  - Pressure gauge : 1 ea.
  - Calibration weights : 1 lot.
- Power supply : 220V, 1 Ph,50 Hz. Other power supply is available on request.

### OPTIONAL:

- Mercury manometer  
**Note:** Due to transport laws, mercury can not be supplied. Buyer must source it locally. Approximately 25 ml. or 350 g. is required. Filling kit is provided.
- HP 011A Differential pressure gauge 600 kpa.
- Vacuum / pressure air pump

Net (unpacked) shipping dimensions WxLxH : 36 x 70 x 75 cm & HB 011  
Net weight : Approx. 25 kg

