

## HB 201 HYDROSTATICS PANEL



Photograph with optional equipment

### GENERAL DESCRIPTION:

The equipment is a bench top unit for the study of basic properties of fluids in hydrostatic conditions. Components are placed on the panel. The unit can be placed on a suitable bench top and requires outside water supply to be stored in the provided storage tank.

### TYPICAL TESTS:

- Measurement of level, pressure, temperature, specific gravity, viscosity, humidity.
- Demonstration of Pascal's law, Archimedes principles, capillary effect.

### TECHNICAL DATA:

The equipment on the panel comprises:

- Inclined water manometer.
- Barometer
- Thermometer
- Stainless steel vernier hook gauge
- Capillary attraction plates
- Capillary viscometer
- Specific gravity bottle
- Beaker, graduated cylinder and pipette.
- Storage tank
- Hygrometer.
- Hydrometer
- Pascal's apparatus.
- Capillary tubes
- Falling sphere viscometer
- Triple beam balance
- Archimedes apparatus.

### OPTIONAL EQUIPMENT for demonstration and determination of additional properties.

- U-tube 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. ESSOM will supply filling kit.
- HB011 Dead weight pressure tester.
- HB012 Hydrostatic pressure.
- HB014 Metacentric height.
- SP 114 Surface tension apparatus.
- SP 113 Boyle's law apparatus.
- Steel cabinet for panel support and accessories storage.

**Net (unpacked) shipping dimensions WxLxH** : 54 x 91 x 80 cm  
**Net weight** : Approx. 31 kg

