

OSC 77FD200HB Hydrastatics Bench

<Features>

- The equipment is a self contained unit for the study of basic properties of fluids in hydrastatic conditions
- Water is provided in a storage tank of the bench with a pump to deliver water to a clear acrylic cylinder which discharges to a sink and storage tank for the experiments
- Other equipment is placed on the bench panel and can also be stored in the bench cupboard
- The unit is on wheels



<Typical tests>

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

<Specifications>

Model	OSC 77FD 200HB
Water manometer	0 - 450 mm x 1 mm graduation
U-tube mercury manometer	0 - 450 mm x 1 mm graduation
Bourdon gauge	0 - 1 kg/cm ² for manometer
Thermometer	0 - 50°C
Hydrometer	0.7 - 2.0
Stainless steel vernier hook gauge	0 - 150mm, 0.05 mm reading
Capillary attraction plates	1 pair
Capillary tubes	4 tubes
Capillary viscometer	1 - 10 cSt
Falling sphere viscometer	10 - 850 St
Specific gravity bottle	50 mL
Triple beam balance	0 - 2610g
Pump	0.37kw
Storage tank	20L
Clear acrylic cylinder	200mm diameter and a carrier bridge
Power supply	220V, 1Ph, 50Hz. Other power supply is available on request
Size (WxLxH)	Approx. 720 x 1500 x 1700 mm
Weight	Approx. 171kg

Other equipment on the bench comprises

Barometer, Hygrometer, 012HB Hydrostatic pressure, 014HB Metacentric height, Pascal's apparatus
Beakers, containers and pipette, 011HB Dead weight pressure tester, Archimedes apparatus