

**FLUID PROPERTIES & HYDROSTATIC BENCH**

Model Number : GOTT-FPHB-01

**DESCRIPTION**

The equipment is mounted on a steel-framed bench fitted with castors. A variety of measuring devices is incorporated, either fastened to the back of the bench or freestanding.

Water is stored in a polythene tank situated on the lower shelf of the bench. The water can be transferred by two positive displacement hand pumps either to an elevated open storage tank connected to a number of glass tubes for free surface studies, or to a plastic sink recessed into the working surface so that bench top experiments may be conducted without spillage. All excess water is returned to the storage tank via the sink drain.

The following experimental apparatus is included: universal hydrometer and hydrometer jars

- falling sphere viscometer
- free surface tubes
- hook and point gauge
- Mercury barometer (Mercury not supplied)
- Bourdon gauge
- u-tube manometers
- deadweight pressure gauge calibrator and weights
- hydrostatic pressure apparatus
- Pascal's apparatus
- parallel plate capillary apparatus
- capillary tube apparatus
- lever balance with displacement vessel, bucket and cylinder
- metacentric height apparatus
- measuring cylinder
- thermometer
- air pump
- 600ml beaker
- stop clock

**Universal hydrometer :**

Range 0.70 to 2.00 sub-divided in 0.01 intervals

**Falling sphere viscometer :**

40mm tube diameter

**Hydrostatic pressure gauge calibrator :**

Comprises counter-balanced precision quadrant pivoted on knife edges at its arc's center

**Lever balance :**

178mm diameter pan, hook for use in buoyancy experiments, anti-parallax cursor, double scale 0 to 0.25kg and 0 to 1.00kg

**Dead weight pressure gauge calibrator :**

With 2 X 1/2kg, 1kg and 2 1/2kg weight

**Thermometer :**

Range -10 degree C to +50 degree C

**Manuals :**

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

**General Terms :**

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

**Warranty :**

2 years

**ORDERING INFORMATION :**

ITEM	MODEL NUMBER	CODE
FLUID PROPERTIES & HYDROSTATIC BENCH	GOTT-FPHB-01	877-777

\* Proposed design only, subject to changes without any notice