

HYDROSTATIC BENCH

MODEL: FM09



FEATURES

- Compact, comprehensive, sturdy design
- Smooth and silent operation

DESCRIPTION

This Hydrostatics Bench is a self contained and mobile bench equipped with the apparatus needed for a comprehensive range of experiments on properties of fluids and hydrostatics. The equipment allows the study of all the important properties of Newtonian fluids.

With this equipment students can develop their knowledge of a wide range of principles and techniques that will be of lasting value to them in their studies of fluid mechanics. The equipment is entirely self-contained and mobile.

INSTRUCTION MANUAL

Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

LIST OF EXPERIMENT

- Measurements of density, specific gravity, viscosity, pressure and humidity
- Function and use of a hydrometer
- Demonstration of fluid up thrust (Pascal's Law Capillarity)
- Determination of center of pressure and Metacentric height
- Calibration of pressure gauge

COMPONENTS

1. Water manometer
2. Mercury manometer
3. Bourdon pressure gauge
4. Digital Pressure Indicator
5. Aneroid barometer
6. Digital RH Indicator
7. Archimedes' apparatus
8. Pascal's apparatus
9. Capillary attraction plates
10. Capillary tubes
11. Capillary viscometer
12. Falling sphere viscometer
13. Specific gravity bottle
14. Beakers, containers and pipette
15. Dead weight pressure tester
16. Metacentric height apparatus
17. Storage tank
18. Circulation pump (Manual)
19. Triple Beam Balance
20. Glass tube Thermometer
21. Vernier hook gauge

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- 1) Since research and development is an on-going activity, the specifications mentioned herein are subject to change without notice
- 2) Photographs are indicative only